



Video Surveillance Product Guide

Security Matters

Keeping a watchful eye on what matters most

An aerial photograph of a city street, showing a grid of buildings, roads, and parked cars. The image is used as a background for the document's header and footer.

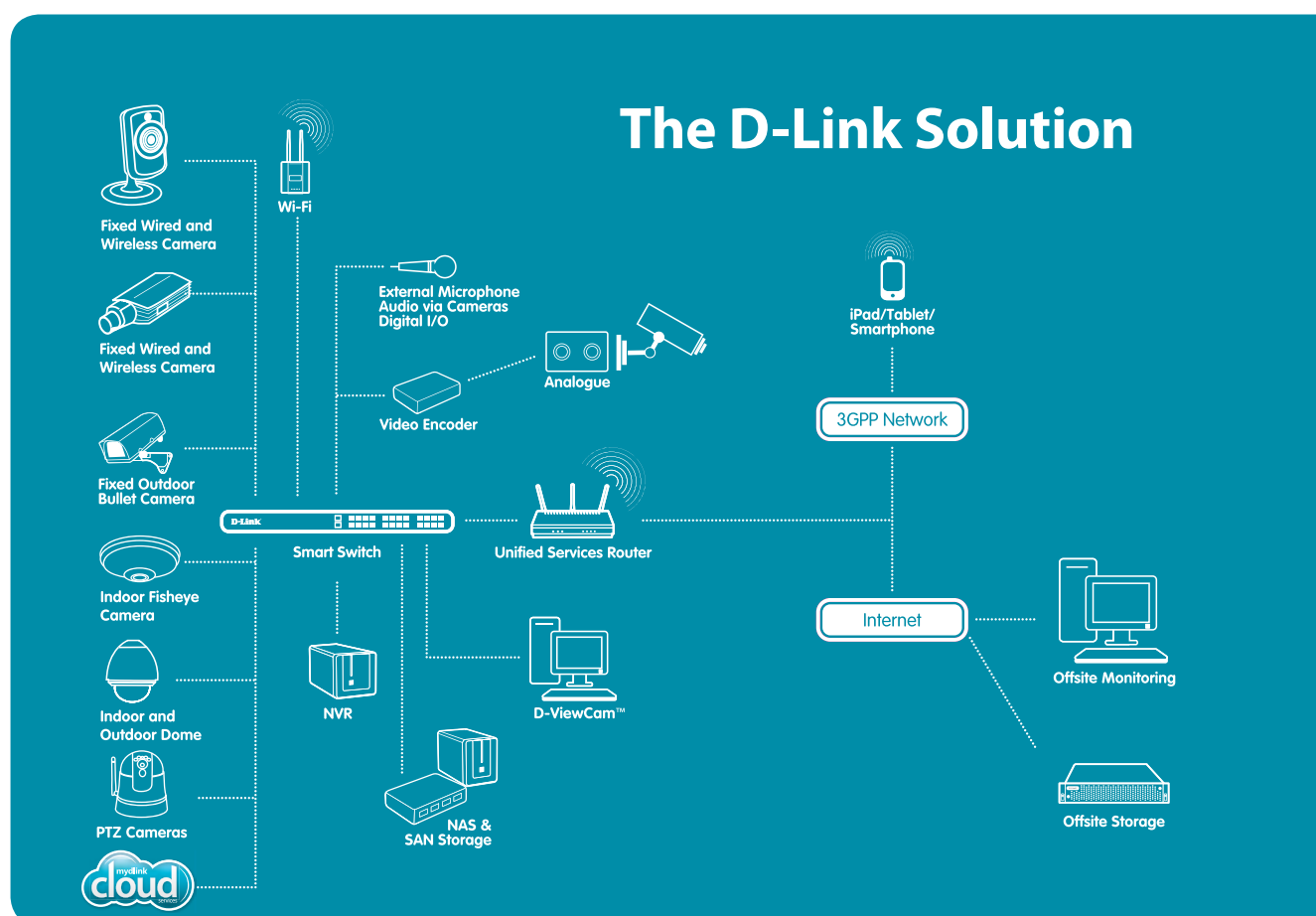
Contents

Video Surveillance – the bigger picture	3
D-Link- Video Surveillance and more	5
Migrating to Video Surveillance	6
The Video Surveillance Solution	8
A camera for any need	10
Video Surveillance – the D-Link jargon buster	11
mydlink™ Cloud Services	12
Fixed Network Cameras (Wired - Indoor)	14
Fixed Network Cameras (Wired - Outdoor)	16
Fixed Network Cameras (Wired + Wireless - Indoor)	17
Wireless Panoramic Camera (Indoor)	19
Fixed Network Camera (Wired + Wireless - Outdoor)	20
Fixed Dome Cameras	21
Pan, Tilt, Zoom (PTZ) Cameras	24
Speed Dome Cameras	26
Network Video Encoders	27
EyeOn™ Monitor Product Range	28
Network Video Recorders	30
Cameras accessories	31
Monitoring and recording software (D-ViewCam™)	32
More than just cameras - the D-Link difference	34
Storage	35
Switches	36
Switching Technology for Video Surveillance	38
Wireless	42
Unified Wired/Wireless Access Systems	43
Security	44
D-Link Assist	45



Video Surveillance – the bigger picture

As a world leader in both Video Surveillance and general networking products, D-Link can supply everything required to build an affordable and easy to deploy system to ensure the security and safety of people, possessions and places. As well as an extensive range of network cameras, D-Link has digital video encoders to enable existing analogue cameras to be incorporated alongside newer network cameras. D-Link also provides a comprehensive range of accessories to help with camera installation and setup, plus Network Video Recorders, storage appliances and all the software needed for monitoring and recording.



This guide is all about what D-Link has to offer those looking to take advantage of the latest digital Video Surveillance technology. Whether it's a new system or an upgrade of an existing analogue setup, D-Link has everything you need - from network cameras through to digital recorders and the monitoring, recording and management software to go with them. But that's not all, with over 28 years' networking experience, D-Link is uniquely positioned to offer a comprehensive selection of Ethernet switches, wireless access points, storage, security and other supporting products. Everything, you might need to build, not just a robust and effective Video Surveillance system, but a complete network of any size.



D-Link

– Video Surveillance and more

Leading the way to Video Surveillance

One of the most significant advances of recent years, Video Surveillance technology has revolutionised the CCTV market, doing away with the need for outdated analogue cameras, custom cabling and complex monitoring equipment. Using IP it becomes possible, instead, to build systems based on affordable network cameras designed to transmit digital video over ordinary wired and wireless networks back to easy to use monitoring and recording software run on industry standard platforms.

As a world leader with over 28 years' experience developing, deploying and supporting networks, D-Link is ideally placed to take advantage of these advances and to bring them to a wider audience. It was one of the first to incorporate Video Surveillance into its network portfolio, and over the years it has built up an impressive family of products to suit everyone from the home user to large enterprise buyers.

D-Link has a full set of Video Surveillance products and more, including high resolution digital cameras for both indoor and outdoor use; digital encoders to interface existing analogue cameras; network video recorders to securely store those recordings and the monitoring and management software to tie everything together.

Advancing the technology still further

Never one to rest on its laurels, D-Link continues to invest heavily in R&D, to innovate and bring new features and technologies to market. Strict adherence to industry standards also makes for simpler integration with Wireless AC and Wireless N Wi-Fi which is now commonplace on D-Link cameras, for example, plus Power over Ethernet (PoE) for simpler, cheaper, discrete installation without the need for separate power lines.

High definition, Megapixel camera technology is, similarly, to be found on the latest D-Link cameras, along with digital pan, tilt and zoom (PTZ) plus integrated 2-way sound capabilities. Some cameras can also capture video to local storage such as MicroSD card, adding another layer of redundancy to the system and for backup and monitoring remote, out of the way, locations.

Because it's digital, captured IP video can be stored on hard disk rather than old-fashioned video tape and feeds from multiple cameras monitored using nothing more than a standard desktop PC. And here, too, D-Link leads the way with, in its latest products, support for automated picture analysis, off-site monitoring and storage plus alerting via smartphones, tablets and other mobile devices.

D-Link and its partners

D-Link products are available through an extensive network of resellers and specialist partners, capable of providing everything from cameras through to the supporting wired or wireless switches, routers and other infrastructure. They can also advise on what to buy and how to deploy it, plus provide the training and support needed to make it all work.

Far from a one-size-fits-all approach, D-Link and its partners offer a complete "joined up" solution that can be tailored to suit a wide range of markets. Whether you're a small service company, a growing retail business, a school, college or city corporation - if it's Video Surveillance you're after, D-Link and its partners can deliver it, and deliver it all.



Migrating to Video Surveillance

Not everyone will have the luxury of starting from scratch with a new Video Surveillance system, so what if you're looking to update an existing analogue CCTV setup? Some vendors will tell you to rip it all out - all those cameras, expensive cabling and back-end monitoring equipment - and start again, but that's not the D-Link way.

D-Link understands the desire to make the most of often very expensive existing solutions that have yet to reach their sell-by date, and to migrate from analogue CCTV to the latest Video Surveillance technologies at your own pace.

Yes, modern network cameras have a lot more to offer and are easier to deploy, but where a customer wishes to integrate existing analogue hardware, D-Link sells analogue-to-digital encoders - small boxes that plug into an analogue camera at one end and the Ethernet network at the other.

D-Link digital encoders can be used with the majority of analogue CCTV cameras, effectively turning them into network-ready video devices. Support for Power over Ethernet makes them easy to deploy plus there's a built-in RS-485 interface for use with external pan/tilt accessories, 2-way audio digital I/O support plus an SD Card slot for local recording.

Cameras connected using a digital encoder are fully compatible with D-Link Network Video Recorders, D-ViewCam™ monitoring and recording software and all supporting infrastructure products, enabling you to migrate from analogue CCTV to Video Surveillance on your own terms.

Still not convinced it's time to make the move? Here are a few related questions and answers...

Won't video traffic slow the performance of my data network?

One of the first questions new customers ask is the impact Video Surveillance will have on network performance. Fortunately, modern streaming technologies such as H.264 can really compress video data down to minimise the bandwidth required. Moreover, most network switches and routers (such as those from D-Link) can be configured to segregate and prioritise different types of traffic using industry-standard Virtual LAN (VLAN) and Quality of Service (QoS) technologies. As a result, a properly implemented Video Surveillance system should have minimal impact on existing network applications or their performance.

Can my data be intercepted and used for other purposes?

As with other network applications, Video Surveillance products are engineered to comply with industry-standard network authentication and

security technologies. Using these, access to recordings can be strictly controlled and audited. At the physical level too, it's a lot harder to intercept digital than analogue CCTV data, making Video Surveillance inherently more secure, especially when using wireless to connect cameras to the network.

Aren't network cameras complicated to install?

If anything, network cameras are easier to install than a conventional analogue CCTV camera, and quicker, especially if Power over Ethernet (PoE) is used to eliminate the need for a dedicated AC supply. What's more, with D-Link's Smart Switches, you can benefit from the **Auto Surveillance VLAN (ASV)** feature, which allows you to add a reliable video surveillance network to an existing data network by segmenting surveillance data from general data. This results in an optimised hybrid network that is quick and easy to deploy, while capable of handling both your data and surveillance traffic.

How can I safely monitor my network traffic during busy periods?

It is important that video feeds from surveillance aren't negatively affected during periods of busy traffic congestion. On networks with already heavy traffic loads, the approach has often been to create a separate video network infrastructure explicitly dedicated to surveillance traffic. However, ASV changes all of this by automatically detecting attached surveillance equipment to intelligently segment surveillance traffic to give it high priority following quality of service (QoS) standards. In this way, surveillance traffic can continue to stream video smoothly and reliably, even during periods of heavy data traffic. When used in conjunction with PoE, hardware installation is simplified, and clutter is reduced since power and data can be transferred over a single cable.

Will I need to switch to a different company to install and maintain my Video Surveillance equipment?

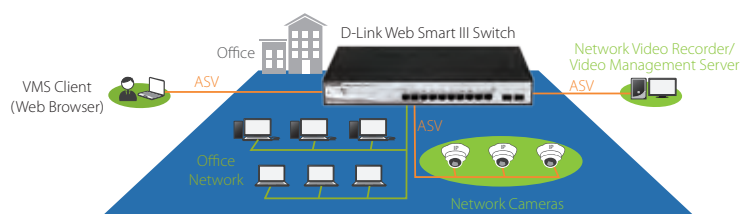
No - most specialist suppliers already offer support for both analogue and Video Surveillance systems and are both willing and able to offer impartial advice on what's best for your organisation. D-Link products are available through a network of approved resellers well versed in both analogue and digital solutions.

I've used a webcam and wasn't impressed with the quality, won't Video Surveillance be the same?

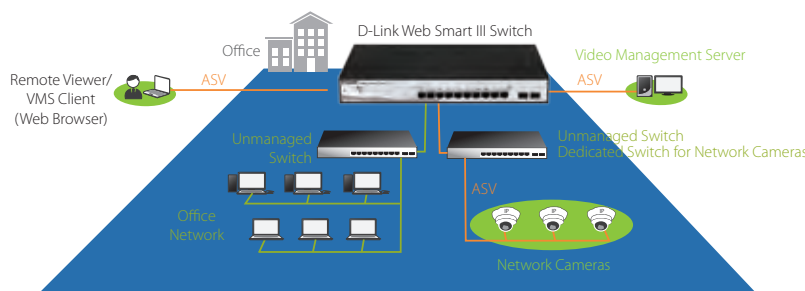
Professional network cameras are a world apart from cheap webcams. HD-quality, megapixel cameras are now commonplace along with low-light and infrared technologies to capture detailed, high resolution, images in varying light conditions. High frame rates further help together with support for both optical and digital zoom at the camera.

Auto Surveillance VLAN (ASV)

Typical SOHO and SMB network installation



Typical larger network installation



There are many industry sectors taking advantage of the benefits Video Surveillance has to offer - Over the next two pages we have highlighted just a couple

Schools need secure grounds

Keeping a close eye on students, visitors, faculty members and ground facilities is a critical concern for today's schools. That's why an increasing number of schools and universities are turning to Video Surveillance to help deter crime and violence, while providing the safest possible learning environments.

While most schools have basic surveillance systems in place, these technologies are typically decades old and use outdated analogue video technology that doesn't provide the seamless coverage and high definition needed to provide effective security. Furthermore, many schools have large geographical footprints and the sheer number of areas to watch can make executing a comprehensive security plan a real challenge.

D-Link delivers scalable and reliable end-to-end Video Surveillance solutions, including network cameras, network switches, video storage devices and video management software. Together, these solutions provide exceptional security intelligence, flexibility and ease-of-use at a lower total cost of ownership for today's budget-conscious schools.

D-Link network cameras can handle the most challenging environments—both indoors and outdoors.

Through an integrated network of advanced indoor/outdoor network video cameras, switches, software and storage, administrators and security stakeholders can view activities in the classroom, libraries, parking lots and common areas—all in real time and with the ability to easily access footage from archives. They can also view and track suspicious individuals as they enter and leave the facilities—even remotely from another location. With D-Link Video Surveillance solutions, you can make faster, more informed decisions that help increase the safety of everyone on your campus.

Our network cameras are packed with features—and value

D-Link's fully featured network cameras offer the surveillance capabilities schools need. They're designed with the latest technology, from Power over Ethernet (PoE), onboard video processing, motion and tamper detection, high definition and multi-megapixel resolution, ICR for recording in any light, H.264/MPEG-4/MJPEG compression, pan/tilt/zoom (PTZ) and more. All for less than competitive solutions—so you can stretch your security budget.

Regardless of your size, D-Link's robust solutions can keep your school safe and sound—for a better learning environment

Selecting a vendor partner with expertise in Video Surveillance, networking and designing solutions geared for education is a critical part of the equation. D-Link provides a wide range of cost-effective, best-in-class Video Surveillance solutions that can help you outfit your school for the future.



Healthcare centres need secure facilities

Creating a safe and effective environment for patients, staff and the general public is critical to the success of today's healthcare facilities. Many hospitals, urgent care centres, physician offices and mental health facilities are taking a more modern approach to managing risk, minimising threats and liabilities and maximising safety throughout their facilities.

Video Surveillance plays a key role by providing a dependable, robust security solution. Ongoing and new staff training, as well as round-the-clock patient monitoring is crucial to improving patient care while reducing risk. Having an ineffectual surveillance system can severely limit a healthcare facility's ability to fulfil their mission—and may expose them to costly disputes and litigation.

End-to-end Video Surveillance solutions from D-Link provide the real-time monitoring today's healthcare organisations need to bolster their risk management strategies while optimising staff training and patient care excellence.

D-Link Video Surveillance works with today's networks and grows with tomorrow's needs

Not only do our end-to-end Video Surveillance solutions integrate seamlessly into existing network infrastructures, they provide higher image quality, flexibility and scalability as your video archival needs grow over time or new locations require additional cameras.

Our cameras offer exceptional image quality and placement flexibility

D-Link cameras deliver clear, crisp video images even in low light areas, as well as digital streaming, centralisation, easy system management and overall low cost of operation. And Power-over-Ethernet (PoE) connectivity enables our cameras to be installed discreetly in virtually any location—even areas without dedicated power. And by combining D-Link's network cameras with scalable video storage, you can record multiple video and audio streams using an easy-to-administer video management system (VMS).

Whatever your challenge, D-Link's Video Surveillance solutions can keep your security healthy and strong

When it comes to high-quality Video Surveillance for healthcare, D-Link provides the tools you need to achieve your facility's mission.



A camera for any need

Keeping a watchful eye on what matters most

Surveillance cameras come in a variety of guises - for use in homes, offices, shops, warehouses and other more challenging environments; indoors and out; with and without remote control capabilities, weather and vandal protection and to suit a wide range of budgets. D-Link has them all...



Fixed network Cameras (Wired + Wireless)

Affordable cameras with a wide range of applications, fixed cameras are designed to be aimed at a specific location, such as a particular office, a reception area, shop counter, etc. Mainly fixed focus and for indoor use, some D-Link models have built-in optical and digital zoom and can be mounted in protective casings for outdoor use. Others have built-in protection against the elements, night and day capabilities and other useful features.



Fixed dome Cameras

More discrete than an ordinary network camera, dome cameras are compact devices designed for ceiling or pendant mounting inside a plastic dome. The dome protects against tampering/vandalism plus it makes it hard to work out where the camera is pointing so it acts as a deterrent over a wide area. Dome cameras from D-Link all come with Power over Ethernet (PoE) support for simple installation with many IP66 rated for outdoor use.



Pan, Tilt, Zoom (PTZ) Cameras

Motorised cameras that can be moved around under software control and zoomed to focus in on a particular area or target, PTZ cameras may be open or mounted inside a protective dome. PTZ cameras can be set to monitor large indoor or outdoor areas by continually sweeping or remotely controlled to follow targets as they move around.



Panaromic Camera

Cameras that have a fisheye lens to provide incredible wide angle coverage; designed for a panoramic 180° view of a room when mounted on a wall, or for a full 360° view without blind spots when placed on a ceiling. Distortion correction fixes the camera video to use ePTZ to zoom in, zoom out, and pan across the camera's video and survey a large area easily.



EyeOn™ Baby and Pet Monitors

These portable cameras transform a smartphone or tablet into a versatile, yet easy to use monitor. The camera can be connected wirelessly or over the Internet to enable the user to check on their infant or pet from anywhere. EyeOn™ effectively monitors babies and pets and provides more functionality than ordinary audio monitors.

Video Surveillance – the D-Link jargon buster

Not sure what all the terms mean? Here's a short guide to help understand the D-Link products and services discussed in this guide.

Built-in IR

Infrared (IR) illuminators emit invisible light, enabling you to monitor an area in complete darkness.

Digital Encoder

A device to convert analogue video signals to digital format and transmit them over an IP network. Used to enable analogue CCTV cameras to be integrated into an Video Surveillance system.

Digital input/output (DI/DO)

Standard interfaces that enable a camera to communicate with external sensors (e.g. door and window sensors) and alarm systems.

High Definition (HD) video

HD cameras capture a lot more detail and are also able to cover a much wider area than a standard VGA camera, giving good surveillance coverage with fewer cameras.

Infrared Cut Filter

A filter that can block infrared while still passing visible light. Usually removable (either manually or under software control) to enhance daytime images while also allowing the camera to be used at night.

Megapixel

A generic term for cameras able to record at high resolution, i.e. above a million pixels. Analogue cameras are limited to around 0.4 Megapixels whereas digital network cameras can capture images in much higher detail with 2 Megapixels and above.

Multicasting

The ability to send video to multiple monitoring and recording stations with a single stream, saving bandwidth and reducing network traffic.

P-iris

P-Iris is a precise iris control, that optimises the iris opening of the lens under all lighting conditions resulting in images with better contrast, clarity, resolution and depth of field. It provides improved image sharpness and increased image usability.

Network Video Recorder (NVR)

An appliance or application designed to manage and record video streams from Network Surveillance cameras. These will, typically, record to hard disk with optional copying to other media such as recordable DVD and the cloud.

Onboard SD Recording

The ability to record to media in the camera itself, such as flash memory or removable SD card. Particularly useful for remote sites with no network, Wi-Fi or 3G connectivity and as a backup in case of a network failure.

Open Network Video Interface Forum (ONVIF)

An open industry forum, of which D-Link is a member, for the development of a global standard for interfacing IP-based physical security products.

Pan, Tilt, Zoom (PTZ)

The ability to remotely control a camera to pan (move from side to side), tilt (move up and down) and zoom in on a particular area of interest.

Passive Infrared (PIR)

PIR sensors measure infrared (IR) radiation from objects in its field of view. Used to detect movement.

Power over Ethernet (PoE)

The ability to transmit power to a remote network camera over the data network. This eliminates the need for an independent main power supply and an AC adapter that might fail or be unplugged. With PoE a central Uninterruptible Power Supply (UPS) will also keep the cameras working in the event of a power cut.

Quality of Service (QoS)





























On a shared network, bottlenecks can arise when surveillance video has to compete for bandwidth with data, voice and other traffic. QoS technology allows traffic to be prioritised, but needs to be implemented across the whole network, in switches and routers, as well as Network Surveillance cameras.

Video Streaming

Encoding of captured video for transmission over a data network. A number of encoding and compression technologies can be applied here, the most popular being Motion JPEG, MPEG-4 and H.264. Of most interest at present is H.264 which can optimise bandwidth and storage by up to 80% without compromising on image quality.

Wide Dynamic Range (WDR)

The ability of a camera to capture images in a wide range of lighting conditions. Extremely useful where glare, reflection and high levels of contrast would otherwise result in a poor picture, such as in doorways and next to windows.

	Audio		MPEG-4/JPEG
	2 Bay		Onboard SD Recording
	Built-in IR		10x Optical Zoom
	Day and Night		12x Optical Zoom
	Digital input/output		18x Optical Zoom
	Digital Zoom		36x Optical Zoom
	Email Notification		Power over Ethernet
	3GPP Support		Privacy Mask
	H.264 /MPEG-4 /JPEG		PTZ
	H.264 /JPEG		Tamper Proof
	High Definition		USB 2.0 x 1
	100Mbps LAN x1		2 Way Audio
	Motion Detection		WDR
	MPEG-4		Wireless

mydlink™ Cloud Services



We have all heard of the Cloud and how it's changing the way we use our computers, smartphones and tablets to access data.

In fact, if you use Facebook/LinkedIn to keep in touch, Slideshare to share presentations or YouTube to share videos, you use the Cloud already. Simply, the Cloud is what lets you access your digital data – from any connected device, anywhere in the world. You can seamlessly store, sync, stream and share using multiple connected devices such as smartphones, tablets, smart televisions and PCs .

Just like the Internet, the Cloud is our digital 'hub' for storing and accessing content. No matter where you are, by connecting your devices and uploading content to the Cloud, you can access, manage and share files, view camera video and/or control devices.

If you are travelling abroad for business and need to access your presentation from the office or want to view your home to keep an eye on your kids, your pets and your valued possessions; if you want to share Wi-Fi throughout your home and manage your home network from any mobile device or need important office data to be both secure and accessible at the same time – D-Link has the solution. D-Link has taken the flexibility of the Cloud and added the security of their web portal to create the best of both worlds for people who are always on the go. You can stay connected and enjoy anywhere, anytime access to your data.

Mobile Cloud Companion and Cloud Routers

enable you to share all your media, on all your devices, all at once - seamlessly stream your media from any USB drive to your Smartphone or tablet with the free SharePort™ Mobile app. Plus, share access with friends and family so everyone can stream media, all at once. Simply plug a USB drive into your Mobile Cloud Companion or your Cloud Router and when the light turns green, it's ready to stream.

Cloud Cameras help to keep an eye on all that matters from anywhere - the mydlink™ Lite app for smartphone and tablet devices lets you stay connected to everything you love 24/7. Keep an eye on your home from anywhere with an internet connection



With personal **Cloud Storage** enjoy your saved media from anywhere – put your home videos, photos, music – even full length movies – into your personal Cloud so you can enjoy them from anywhere in the world. Just attach your Cloud Storage Device to your home network to take your media with you - wherever you go. The mydlink™ Access- NAS app for the iOS and Android devices that enables users to access data, view photos, and stream music and videos from their Storage devices.



mydlink™ Lite App

With the mydlink™ Lite App for iPhone, Windows phone and Android you can quickly and easily view your live Cloud Camera feeds and manage your Cloud Routers from anywhere using a Wi-Fi or 3G/4G connection. Thanks to this app, you can monitor on-the-go... even if you don't have access to a computer.



mydlink™ - Stay connected to your data at the touch of a button

To help you keep an eye on everything that matters to you, we've created mydlink™. This secure website enables you to access and control all of your home devices*, such as Routers, Storage devices and Video Surveillance Cameras via your own personal account. You can set up your account quickly and easily and mydlink™ will put everything you love at your fingertips, wherever you are.

Share your holiday photos with your friends when you're on the train, keep an eye on your house while you're away from home, access your entire music collection when you're on holiday abroad, and see who's accessing your home network. These are just a handful of the benefits† available to you when you register for your mydlink™ account.

And with mydlink™ you don't even need a computer to access your home devices. Just download the mydlink™ app to your PC, iPhone, iPad or Android devices and you can control, access, view and share everything, wherever you may be.

mydlink™ offers you a simple and easy solution to access your mydlink™ enabled router, camera and storage devices from anywhere around the world via the Internet.

Simply log into your account via 'mydlink.com' or download the apps available on the Apple App Store or Google Play via your iPhone, iPad or Android devices. Go to 'dlink.com/mydlink' for more details.



iOS/Android apps by D-Link



mydlink™ Lite¹



mydlink™+ ²



mydlink™ Access-NAS



SharePort™



QRS Mobile



SharePort™ Mobile



mydlink™ Cloud app



D-ViewCam™ Mobile



JustConnect+³



Baby Monitor app



mydlink View-NVR

Available on



Windows Store: mydlink™ Lite and mydlink™+ apps only

¹ iOS, Android and Windows phone devices

² Designed for tablets only

³ iOS only

[†] Dependent on mydlink™ product

* mydlink™ enabled products only



Fixed Network Cameras

Fixed Network Cameras

D-Link fixed network cameras are designed to stand out and act as a physical deterrent as well as record the action. Available with wireless and wired interfaces they are manufactured to a very high standard and can be deployed by both home users, and companies of any size to build an effective yet affordable surveillance system.

Typical uses

In the office – to monitor shared areas and access points, mostly indoors although some can be used outdoors too

In the shop – to keep an eye on areas that can't be seen by staff at the tills

In schools and colleges – to protect against theft and vandalism and to provide security for students and teachers

In the warehouse – To monitor the production lines, verify shipment details and expose security breaches on property

Outside – for professional monitoring and recording of car parks, loading bays, playgrounds and other open areas

Wired - Indoor

DCS-2210

Full HD PoE Day/Night Network Camera



- 1/2.7" 2 megapixel progressive scan CMOS sensor
- Fixed lens (4.37 mm, F2.0)
- Full HD 1080p resolution
- Up to 5 m night vision with integrated IR illuminator
- 10x digital zoom
- 2-way audio with built-in microphone and speaker
- Wired Fast Ethernet connectivity with PoE
- Supports MJPEG, MPEG-4 and H.264 video formats
- Recording to local microSD card* slot or to a NAS device
- Motion detection, event recording and e-mail notification with snapshots
- Integrated PIR (Passive Infrared) sensor for enhanced motion detection
- ePTZ for virtual PTZ operation

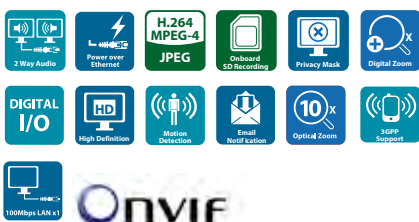


DCS-3010

HD PoE Fixed Network Camera



- 1/4" 1 megapixel progress scan CMOS sensor
- Fixed lens (4.0 mm, F 1.5)
- 720p HD or 1280 x 800 resolution
- 4x digital zoom
- 2-way audio with built-in microphone, external microphone input and speaker output
- Wired Fast Ethernet connectivity with PoE
- Supports MJPEG, MPEG-4 and H.264 video formats
- Recording to local microSD card* slot or to a NAS device
- Motion detection, event recording and e-mail notification with snapshots
- Tamper detection
- ePTZ for virtual PTZ operation



DCS-3112

HD PoE Day/Night Fixed Network Camera



- Sony 1/4" 1.3 megapixel progressive scan CMOS sensor
- CS mount DC auto iris lens (3.5~8 mm, F1.4) with 2.3x optical zoom
- HD 720p or 1280 x 1024 resolution
- 10x digital zoom
- 2-way audio with external microphone input and speaker output
- Wired Fast Ethernet connectivity with PoE
- Supports MJPEG, MPEG-4 and H.264 video formats
- Recording to local SD card* slot or to a NAS device
- Motion detection, event recording and e-mail notification with snapshots
- Removable IR-cut filter for recording in low light conditions
- Analogue output



* microSD Card not included

DCS-3710

HD WDR PoE Day/Night Fixed Network Camera



- Sony 1/3" 1.3 megapixel WDR progressive scan CMOS sensor
- CS mount DC iris varifocal lens (2.9~8.2 mm, F1.0) with 2.8x optical zoom
- Wide Dynamic Range (WDR) technology for exceptional picture quality in extreme contrast environments
- HD 720p or 1280 x 1024 resolution
- 10x digital zoom
- 2-way audio with external microphone input and speaker output
- Wired Fast Ethernet connectivity with PoE
- Supports MJPEG, MPEG-4 and H.264 video formats
- Recording to local SD card* slot or to a NAS device
- Motion detection, event recording and e-mail notification with snapshots
- Removable IR-cut filter for recording in low light conditions
- Analogue output



DCS-3716

Full HD WDR PoE Day/Night Fixed Network Camera



- Sony 1/2.8" 3 megapixel WDR progressive scan CMOS sensor
- CS mount DC auto iris lens (3.1~8mm, F1.2) with 2.6x optical zoom
- Wide Dynamic Range (WDR) technology for exceptional picture quality in extreme contrast environments
- Full HD 1080p or 2048 x 1536 resolution
- 10x digital zoom
- 2-way audio with external microphone input and speaker output
- Wired Fast Ethernet connectivity with PoE
- Supports MJPEG, MPEG-4 and H.264 video formats
- Recording to local SD card* slot or to a NAS device
- Removable IR-cut filter for recording in low light conditions
- Motion detection, event recording and e-mail notification with snapshots
- Analogue output
- ePTZ for virtual PTZ operation



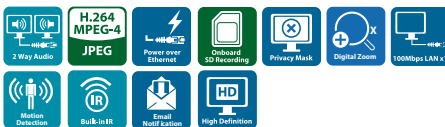
Wired - Outdoor

DCS-2310L

Outdoor HD PoE Day/Night Cloud Camera



- 1/4" 1 megapixel progressive scan CMOS sensor
- Fixed lens (3.45 mm, F 2.0)
- HD 720p or 1280 x 800 resolution
- Up to 5 m night vision with integrated IR illuminator
- 10x digital zoom
- 2-way audio with built-in microphone and speaker
- Wired Fast Ethernet connectivity with PoE
- Supports MJPEG, MPEG-4 and H.264 video formats
- Recording to local microSD card* slot or to a NAS device
- Motion detection, event recording and e-mail notification with snapshots
- Integrated PIR (Passive Infrared) sensor for enhanced motion detection
- ePTZ for virtual PTZ operation
- IP-65 weatherproof housing



DCS-7010L

Outdoor HD PoE Day/Night Fixed Mini Bullet Cloud Camera



- 1/4" 1 megapixel progressive scan CMOS sensor
- Fixed lens (4.3 mm, F2.0)
- HD 720p or 1280 x 800 resolution
- Up to 10 m night vision with integrated IR illuminator
- 4x digital zoom
- 2-way audio with external microphone input and speaker output
- Wired Fast Ethernet connectivity with PoE
- Supports MJPEG, MPEG-4 and H.264 video formats
- Recording to local microSD card* slot or to a NAS device
- Motion detection, event recording and e-mail notification with snapshots
- IP-67 weatherproof housing



DCS-7110

Outdoor HD PoE Day/Night Fixed Bullet Network Camera



- 1/2.7" 2 megapixel progressive scan CMOS sensor
- Fixed lens (4 mm, F1.5)
- Full HD 1080p or 1280 x 800 resolution
- Up to 15 m night vision with integrated IR illuminator
- 4x digital zoom
- Wired Fast Ethernet connectivity with PoE
- Supports MJPEG, MPEG-4 and H.264 video formats
- Recording to a NAS device
- Motion detection, event recording and e-mail notification with snapshots
- Tamper detection
- Analogue output
- IP-66 weatherproof housing

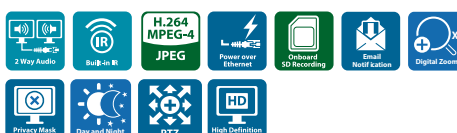


DCS-7413

Outdoor Full HD PoE Day/Night Fixed Bullet Network Camera



- 1/2.7" 2 megapixel progressive scan CMOS sensor
- Fixed lens (4.3 mm, F2.0)
- Full HD 1080p resolution
- Up to 30 m night vision with integrated IR illuminator
- 10x digital zoom
- 2-way audio with external microphone input and speaker output
- Wired Fast Ethernet connectivity with PoE
- Supports MJPEG, MPEG-4 and H.264 video formats
- Recording to local SD card* slot or to a NAS device
- Motion detection, event recording and e-mail notification with snapshots
- Analogue output
- IP-68 weatherproof housing

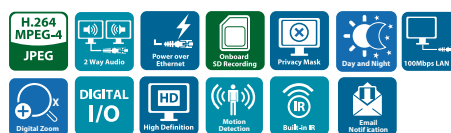


DCS-7513

Outdoor Full HD WDR PoE Day/Night Fixed Bullet Network Camera



- 1/2.8" 2 megapixel WDR progressive scan CMOS sensor
- Motorised P-iris varifocal lens (3~9 mm) with 3x optical zoom
- Wide Dynamic Range (WDR) technology for exceptional picture quality in extreme contrast environments
- Full HD 1080p resolution
- Up to 30 m night vision with integrated IR illuminator
- 10x digital zoom
- 2-way audio with external microphone input and speaker output
- Wired Fast Ethernet connectivity with PoE
- Supports MJPEG, MPEG-4 and H.264 video formats
- Recording to local SD card* slot or to a NAS device
- Motion detection, event recording and e-mail notification with snapshots
- Analogue output
- IP-68 weatherproof housing



* microSD Card not included



Fixed Network Cameras

Typical uses

In the home - Keep an eye on what is going on at home from wherever you are, 24/7

In the office - To monitor shared or serviced office accommodation, the wireless interface allows the cameras to be installed without cables and taken with you should you move

In the shop - To keep an eye on the stock room while serving

In the surgery - To see who's in the waiting room and call for the next patient

Wired + Wireless - Indoor

DCS-930L

Cloud Camera



- 1/5" VGA progressive scan CMOS sensor
- Fixed lens (5.01 mm, F2.8)
- 640 x 480 resolution
- 4x digital zoom
- Built-in microphone
- Wired Fast Ethernet and wireless 802.11b/g/n connectivity
- Supports MJPEG video format
- Motion detection and e-mail notification with snapshots



DCS-933L

Day/night Cloud Camera



- 1/5" VGA progressive scan CMOS sensor
- Fixed lens (3.15 mm, F2.8)
- 640 x 480 resolution
- Up to 5 m night vision with integrated IR illuminator
- 4x digital zoom
- Built-in microphone
- Wired Fast Ethernet and wireless 802.11b/g/n connectivity
- Built-in wireless extender (max. 5 clients)
- Supports MJPEG and H.264 video formats
- Motion and sound detection, e-mail notification with snapshots or video



DCS-932L

Day and Night Cloud Camera



- 1/5" VGA progressive scan CMOS sensor
- Fixed lens (5.01 mm, F2.8)
- 640 x 480 resolution
- Up to 5 m night vision with integrated IR illuminator
- 4x digital zoom
- Built-in microphone
- Wired Fast Ethernet and wireless 802.11b/g/n connectivity
- Supports MJPEG video format
- Motion detection and e-mail notification with snapshots



DCS-942L

Enhanced Day/Night Cloud Camera



- 1/5" VGA progressive scan CMOS sensor
- Fixed lens (3.15 mm, F2.8)
- 640 x 480 resolution
- Up to 5 m night vision with integrated IR illuminator
- 4x digital zoom
- 2-way audio with built-in microphone and external speaker output
- Wired Fast Ethernet and wireless 802.11b/g/n connectivity
- Supports MJPEG, MPEG-4 and H.264 video formats
- Recording to local microSD card slot (16 Gb included) or to a NAS device
- Motion detection and e-mail notification with snapshots
- Integrated PIR (Passive Infrared) sensor for enhanced motion detection



DCS-2132L

HD Wireless Cloud Camera



- 1/4" 1 megapixel progressive scan CMOS sensor
- Fixed lens (3.45 mm, F2.0)
- HD 720p or 1280 x 800 resolution
- Up to 5 m night vision with integrated IR illuminator
- 10x digital zoom
- 2-way audio with built-in microphone and speaker
- Wired Fast Ethernet and wireless 802.11b/g/n connectivity
- Supports MJPEG, MPEG-4 and H.264 video formats
- Recording to local microSD card* slot or to a NAS device
- Motion detection, event recording and e-mail notification with snapshots
- Integrated PIR (Passive Infrared) sensor for enhanced motion detection



DCS-2136L

Wireless AC Day/Night Cloud Camera with Colour Night Vision



- Sony Exmor 1/3" 1 megapixel progressive scan CMOS sensor
- Fixed lens (3.6 mm, F1.4)
- Wide Dynamic Range (WDR) technology for exceptional picture quality in extreme contrast environments
- LowLight+ technology
- HD 720p resolution
- Up to 5 m colour night vision with integrated white light illuminator
- 10x digital zoom
- 2-way audio with built-in microphone and speaker
- Wired Fast Ethernet and wireless 802.11b/g/n/ac connectivity
- Supports MJPEG, MPEG-4 and H.264 video formats
- Recording to local microSD card slot (16 Gb included) or to a NAS device
- Motion detection, event recording and e-mail notification with snapshots or video
- Integrated PIR (Passive Infrared) sensor for enhanced motion detection
- ePTZ for virtual PTZ operation

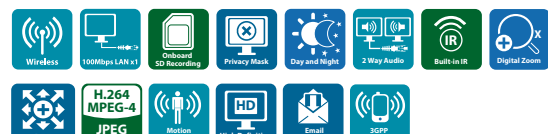


DCS-2230

Full HD Wireless Day / Night Network Camera



- 1/2.7" 2 megapixel progressive scan CMOS sensor
- Fixed lens (4.37 mm, F2.0)
- Full HD 1080p resolution
- Up to 5 m night vision with integrated IR illuminator
- 10x digital zoom
- 2-way audio with built-in microphone and speaker
- Wired Fast Ethernet and wireless 802.11b/g/n connectivity
- Supports MJPEG, MPEG-4 and H.264 video formats
- Recording to local microSD card* slot or to a NAS device
- Motion detection, event recording and e-mail notification with snapshots
- Integrated PIR (Passive Infrared) sensor for enhanced motion detection
- ePTZ for virtual PTZ operation



* microSD Card not included

DCS-7000L

Wireless AC Day/Night HD Mini Bullet Cloud Camera



- 1/4" 1 megapixel progressive scan CMOS sensor
- Fixed lens (2.4 mm, F2.0)
- HD 720p resolution
- Up to 8 m colour night vision with integrated white light illuminator
- 10x digital zoom
- 2-way audio with external audio in and out jacks
- Wired Fast Ethernet and wireless 802.11b/g/n/ac connectivity
- Supports MJPEG and H.264 video formats
- Recording to local microSD card slot or to a NAS device
- Motion detection, event recording and e-mail notification with snapshots or video
- ePTZ for virtual PTZ operation



Wireless Panoramic Indoor DCS-6010L

2 Megapixel Panoramic Wireless Cloud Camera



- 1/3.2" 2 megapixel progressive scan CMOS sensor
- Fixed fisheye lens (1.25 mm, F2.0)
- Ceiling mount 360° surveillance with fisheye distortion correction
- 1620 x 1200 resolution
- 10x digital zoom
- 2-way audio with built-in microphone and speaker
- Wired Fast Ethernet and wireless 802.11b/g/n connectivity
- Supports MJPEG, MPEG-4 and H.264 video formats
- Recording to local microSD card* slot or to a NAS device
- Motion detection, event recording and e-mail notification with snapshots
- ePTZ for virtual PTZ operation





Wired + Wireless – Outdoor

DCS-2330L

HD Wireless N Day/Night Outdoor Cloud Camera



- 1/4" 1 megapixel progressive scan CMOS sensor
- Fixed lens (3.45 mm, F2.0)
- HD 720p resolution
- Up to 5 m night vision with integrated IR illuminator
- 10x digital zoom
- Built-in microphone
- Wired Fast Ethernet and wireless 802.11b/g/n connectivity
- Supports MJPEG and H.264 video formats
- Recording to local microSD card slot (16 Gb included) or to a NAS device
- Motion detection, event recording and e-mail notification with snapshots and video
- Integrated PIR (Passive Infrared) sensor for enhanced motion detection
- ePTZ for virtual PTZ operation
- IP-65 weatherproof housing



DCS-2332L

Outdoor HD Wireless Day / Night Cloud Camera



- 1/4" 1 megapixel progressive scan CMOS sensor
- Fixed lens (3.45 mm, F2.0)
- HD 720p resolution
- Up to 5 m night vision with integrated IR illuminator
- 10x digital zoom
- 2-way audio with built-in microphone and speaker
- Wired Fast Ethernet and wireless 802.11b/g/n connectivity
- Supports MJPEG, MPEG-4 and H.264 video formats
- Recording to local microSD card* slot or to a NAS device
- Motion detection, event recording and e-mail notification with snapshots
- Integrated PIR (Passive Infrared) sensor for enhanced motion detection
- IP-65 weatherproof housing



* microSD Card not included



Fixed Dome Cameras

A more discrete dome-shaped camera housed inside a protective dome, D-Link's fixed dome cameras are compact, extremely versatile and easy to install with models available that are weather proof for both indoor and outdoor use, vandal proof and day and night.

Typical uses

Outside the office – to manage car parks and building security with minimal staffing

In retail – for surveillance of open air markets

In hospitals – to monitor public areas and create recordings to protect staff

In industry – to provide discrete monitoring of large factories and warehouses with minimal numbers of cameras

In education – for unobtrusive monitoring of students, staff and visitors in corridors, assembly halls and other areas

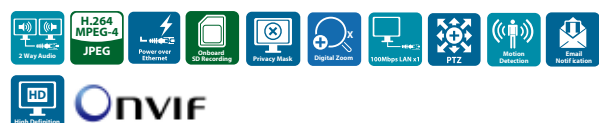
In local government – to protect staff on frontline service desks and monitor lobbies and other public areas

Indoor and Outdoor DCS-6210

Outdoor Full HD Vandal Resistant Mini Fixed Dome Network Camera



- 1/2.7" 2 megapixel progressive scan CMOS sensor
- Fixed lens (4.3 mm, F2.0)
- Full HD 1080p resolution
- 10x digital zoom
- Built-in microphone
- Wired Fast Ethernet connectivity with PoE
- Supports MJPEG, MPEG-4 and H.264 video formats
- Recording to local microSD card* slot or to a NAS device
- Motion detection, event recording and e-mail notification with snapshots
- ePTZ for virtual PTZ operation
- IP-66 weatherproof and IK-10 vandal proof housing
- IP-66 weatherproof and IK-10 vandal proof housing
- Optional compliance with EN-501545 standard for railway applications

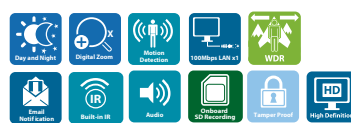


DCS-6314

Full HD WDR Varifocal Day & Night Outdoor Dome Network Camera



- 1/2.8" 2 megapixel WDR progressive scan CMOS sensor
- Varifocal lens (2.8~12 mm, F1.4) with 4x optical zoom
- Wide Dynamic Range (WDR) technology for exceptional picture quality in extreme contrast environments
- Full HD 1080p resolution
- Up to 15 m night vision with integrated IR illuminator
- 10x digital zoom
- 2-way audio with external microphone input and speaker output
- Wired Fast Ethernet connectivity with PoE
- Supports MJPEG, MPEG-4 and H.264 video formats
- Recording to local microSD card* slot or to a NAS device
- Motion detection, event recording and e-mail notification with snapshots
- IP-68 weatherproof and IK-10 vandal proof housing



* microSD Card not included

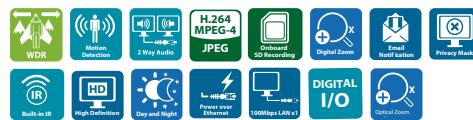


DCS-6315

HD Outdoor Fixed Dome Network Camera with Colour Night Vision



- 1/3" 1 megapixel WDR progressive scan CMOS lens
- Varifocal lens (2.8~12 mm, F1.4) with 4x optical zoom
- Wide Dynamic Range (WDR) technology for exceptional picture quality in extreme contrast environments
- LowLight+ technology
- HD 720p resolution
- Up to 15 m night vision with integrated IR illuminator
- 10x digital zoom
- 2-way audio with external microphone input and speaker output
- Wired Fast Ethernet connectivity with PoE
- Supports MJPEG, MPEG-4 and H.264 video formats
- Recording to local microSD card* slot or to a NAS device
- Motion detection, event recording and e-mail notification with snapshots
- IP-68 weatherproof and IK-10 vandal proof housing



DCS-6511

Outdoor HD PoE Day / Night Vandal Resistant Fixed Dome Network Camera



- 1/3" 1.3 megapixel WDR progressive scan CMOS sensor
- Motorised varifocal lens (3.3~12 mm, F1.4~360) with 3.6x optical zoom
- Wide Dynamic Range (WDR) technology for exceptional picture quality in extreme contrast environments
- HD 720p or 1280 x 1024 resolution
- Up to 20 m night vision with integrated IR illuminator
- 10x digital zoom
- 2-way audio with external microphone input and speaker output
- Wired Fast Ethernet connectivity with PoE
- Supports MJPEG, MPEG-4 and H.264 video formats
- Recording to local microSD card* slot or to a NAS device
- Motion detection, event recording and e-mail notification with snapshots
- Analogue output
- IP-66 weatherproof and IK-10 vandal proof housing



DCS-6513

Full HD WDR Day & Night Outdoor Dome Network Camera



- 1/2.8" 3 megapixel WDR progressive scan CMOS sensor
- Motorised P-iris varifocal lens (3~9 mm, F1.2~2.3) with 3x optical zoom
- Wide Dynamic Range (WDR) technology for exceptional picture quality in extreme contrast environments
- Full HD 1080p or 2048 x 1536 resolution
- Up to 20 m night vision with integrated IR illuminator
- 10x digital zoom
- 2-way audio with external microphone input and speaker output
- Wired Fast Ethernet connectivity with PoE
- Supports MJPEG, MPEG-4 and H.264 video formats
- Recording to local microSD card* slot or to a NAS device
- Motion detection, event recording and e-mail notification with snapshots
- IP-67 weatherproof and IK-10 vandal proof housing



Indoor DCS-6004L



HD PoE Mini Dome Cloud Camera



- 1/4" 1 megapixel progressive scan CMOS sensor
- Fixed lens (2.8 mm, F1.8)
- HD 720p or 1280 x 800 resolution
- Up to 5 m night vision with integrated IR illuminator
- 10x digital zoom
- 2-way audio with built-in microphone and external speaker output
- Wired Fast Ethernet connectivity with PoE
- Supports MJPEG, MPEG-4 and H.264 video formats
- Recording to local microSD card slot* or to a NAS device
- Motion detection, event recording and e-mail notification with snapshots



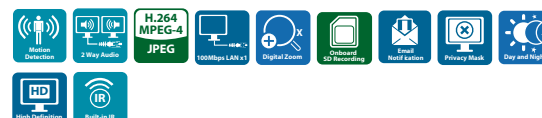
PowerLine - Indoor DCS-6045LKT



PowerLine HD Day/Night Cloud Camera Kit



- 1/4" 1 megapixel progressive scan CMOS sensor
- Fixed lens (3.3 mm, F2.0)
- HD 720p resolution
- Up to 6 m night vision with integrated IR illuminator
- 4x digital zoom
- Built-in microphone
- PowerLine 200 Mbps connectivity with included PowerLine adapter
- Supports MJPEG and H.264 video formats
- Recording to local microSD card slot*
- Motion and sound detection, event recording and e-mail notification with snapshots and video



DCS-6113

HD PoE Dome Cloud Camera



- 1/2.7" 2 megapixel progressive scan CMOS sensor
- Fixed lens (4 mm, F1.5)
- Full HD 1080p resolution
- Up to 10 m night vision with integrated IR illuminator
- 16x digital zoom
- 2-way audio with external microphone input and speaker output
- Wired Fast Ethernet connectivity with PoE
- Supports MJPEG, MPEG-4 and H.264 video formats
- Recording to local microSD card* slot or to a NAS device
- Motion detection, event recording and e-mail notification with snapshots
- Tamper detection
- Analogue output





Pan, Tilt, Zoom (PTZ) Cameras

The ultimate in surveillance technology, PTZ cameras aren't limited to monitoring the area they were pointed at when installed. Instead they can be moved around a full 360° on an endless pan, made to tilt up and down and zoom in and out to follow the action and provide maximum coverage.

D-Link PTZ cameras are available with or without domes, for indoor and outdoor use and with, on some models, wireless networking and other useful features as standard.

Typical uses

In retail – to provide complete coverage of large shopping malls and high street areas with the ability to zoom in and follow suspicious activity

In local authorities – for surveillance of parks, playgrounds and other public areas

In industry – to monitor large factories and warehouses with a minimum of cameras and security patrols

In healthcare – to reduce the need for staff to police car parks and provide staff with protection at entrances, exits and in lobbies

PTZ Cameras - Indoor

DCS- 5615

Full HD Mini Pan & Tilt Dome Network Camera



- 1/2.7" 2 megapixel progressive scan CMOS sensor
- Fixed lens (4.0 mm, F1.5)
- Motorised pan/tilt with +180° to -180° pan range and +90° to 10° tilt range
- Full HD 1080p resolution
- 16x digital zoom
- Built-in microphone
- Wired Fast Ethernet connectivity with PoE
- Supports MJPEG, MPEG-4 and H.264 video formats
- Recording to local microSD card slot* or to a NAS device
- Motion detection, event recording and e-mail notification with snapshots
- Tamper detection



* microSD Card not included

DCS-5009L

Wireless N Day & Night Pan/Tilt Cloud Camera



- 1/5" 1 megapixel progressive scan CMOS sensor
- Fixed lens (2.2 mm, F2.0)
- Motorised pan/tilt with +170° to -170° pan range and +95° to -25° tilt range
- 640 x 480 resolution
- Up to 8 m night vision with integrated IR illuminator
- 4x digital zoom
- Built-in microphone
- Wired Fast Ethernet and wireless 802.11b/g/n connectivity
- Supports MJPEG and H.264 video formats
- Motion detection, event recording and e-mail notification with snapshots and video



DCS-5020L

Wireless N Day & Night Pan/Tilt Cloud Camera



- 1/5" 1 megapixel progressive scan CMOS sensor
- Fixed lens (2.2 mm, F2.0)
- Motorised pan/tilt with +170° to -170° pan range and +95° to -25° tilt range
- 640 x 480 resolution
- Up to 8 m night vision with integrated IR illuminator
- 4x digital zoom
- Built-in microphone
- Wired Fast Ethernet and wireless 802.11b/g/n connectivity
- Built-in wireless extender (max. 5 clients)
- Supports MJPEG and H.264 video formats
- Motion and sound detection, event recording and e-mail notification with snapshots and video

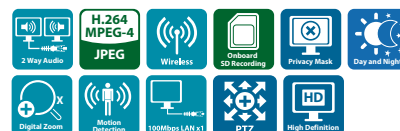


DCS-5222L

Pan/Tilt/Zoom Cloud Camera



- 1/4" 1 megapixel progressive scan CMOS sensor
- Fixed lens (4.57 mm, F1.9)
- Motorised pan/tilt with +170° to -170° pan range and +90° to -25° tilt range
- HD 720p resolution
- Up to 5 m night vision with integrated IR illuminator
- 4x digital zoom
- 2-way audio with built-in microphone and external speaker output
- Wired Fast Ethernet and wireless 802.11b/g/n connectivity
- Supports MJPEG, MPEG-4 and H.264 video formats
- Recording to local microSD card* slot or to a NAS device
- Motion detection, event recording and e-mail notification with snapshots
- Integrated PIR (Passive Infrared) sensor for enhanced motion detection



* microSD Card not included

Speed Dome Cameras

Indoor DCS-6616

12X WDR Day/Night Speed Dome Network Camera



- 1/4" Sony Super HAD-II CCD sensor
- Motorised varifocal lens (3.8~45.6 mm, F1.6~2.7) with 12x optical zoom
- Motorised pan/tilt with fast 10~400°/sec 360° endless pan and 10° to 170° tilt range
- Proportional pan/tilt, when camera zooms the tracking speed slows for more accurate control
- Wide Dynamic Range (WDR) technology for exceptional picture quality in extreme contrast environments
- 720 x 576 (NTSC) or 720 x 480 (PAL) resolution
- Day and night with IR-cut removable filter (ICR)
- 12x digital zoom
- 2-way audio with external microphone input and speaker output
- Wired Fast Ethernet connectivity
- Supports MJPEG, MPEG-4 and H.264 video formats
- Motion detection, event recording and e-mail notification with snapshots
- Analogue output

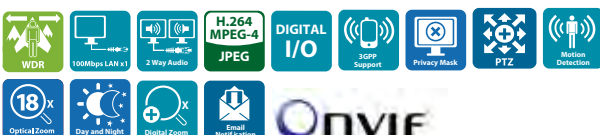


Outdoor DCS-6815

Outdoor 18X WDR Day/Night Speed Dome Network Camera



- 1/4" Sony Super HAD-II CCD sensor
- Motorised varifocal lens (3.4~61.2 mm, F1.4~3.0) with 18x optical zoom
- Motorised pan/tilt with fast 10~400°/sec 360° endless pan and -10° to 190° tilt range
- Proportional pan/tilt, when camera zooms the tracking speed slows for more accurate control
- Wide Dynamic Range (WDR) technology for exceptional picture quality in extreme contrast environments
- 720 x 576 (NTSC) or 720 x 480 (PAL) resolution
- Day and night with IR-cut removable filter (ICR)
- 12x digital zoom
- 2-way audio with external microphone input and speaker output
- Wired Fast Ethernet connectivity
- Supports MJPEG, MPEG-4 and H.264 video formats
- Motion detection, event recording and e-mail notification with snapshots
- Analogue output
- IP-66 weatherproof and IK-10 vandal proof housing



DCS-6915

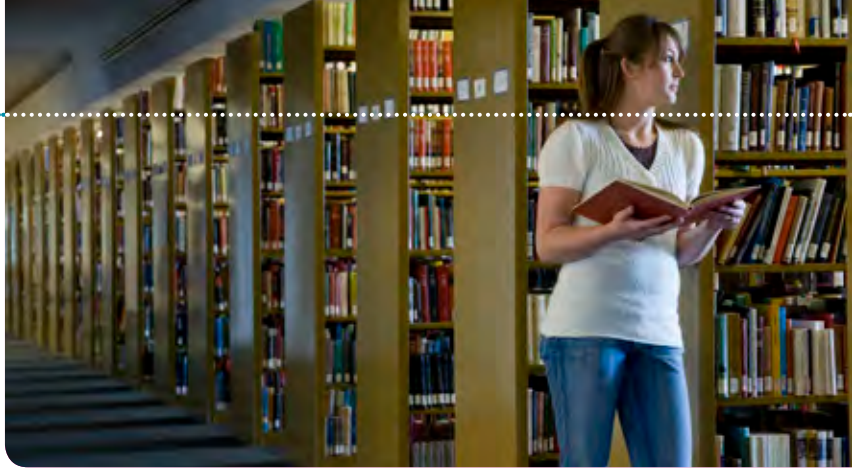
Outdoor 20X Full HD WDR Speed Dome Network Camera



- Sony Exmor 1/2.8" 3 megapixel progressive scan CMOS sensor
- Motorised varifocal lens (4.7~94 mm, F1.6~3.5) with 20x optical zoom
- Motorised pan/tilt with fast 5~400°/sec 360° endless pan and -10° to 190° tilt range
- Proportional pan/tilt, when camera zooms the tracking speed slows for more accurate control
- Wide Dynamic Range (WDR) technology for exceptional picture quality in extreme contrast environments
- Full HD 1080p resolution
- Day and night with IR-cut removable filter (ICR)
- 10x digital zoom
- 2-way audio with external microphone input and speaker output
- Wired Fast Ethernet connectivity
- Supports MJPEG and MPEG-video formats
- Recording to local microSD card* slot or to a NAS device
- Motion detection, event recording and e-mail notification with snapshots
- IP-66 weatherproof and IK-10 vandal proof housing



* microSD Card not included





Network Video Encoders

Video encoders are for customers looking to migrate a pre-existing analogue CCTV system to IP rather than rip out and replace everything they already have. Able to work with all the leading makes of camera, the encoders take the analogue video camera output and digitise it for network transmission using a choice of streaming protocols including the highly compressible H.264.

D-Link encoders also feature 802.3af Power over Ethernet support for ease of deployment, plus they come with a built-in RS-485 interface to control external pan/tilt and other accessories over the network. Digital I/O support allows for the connection of sensors and alarms with 2-way audio and local recording to SD card is also available.

DVS-310-1

Single channel video encoder, with H.264 streaming and PoE



- NTSC/PAL input up to 720 x 576 resolution
- Simultaneous Motion JPEG and MPEG-4 streaming plus multicast H.264 streaming 10/100Mbps Ethernet interface with 802.3af PoE, so no need for separate power supply
- RS-485 interface for integration with external pan/tilt accessories
- SD card slot for local video recording
- (card not included)
- 2-way audio
- JPEG still image capture
- Digital I/O - 2 alarm inputs / 1 alarm output



EyeOn™ Monitor Product Range



D-Link brings you EyeOn™, specially designed to help you keep watch over your baby and your pets, night and day. EyeOn™ monitors provide more functionality than ordinary audio monitors and these portable cameras transform your smartphone or tablet into a versatile, yet easy to use monitor.

Connect to the Monitor wirelessly at home or through the Internet from anywhere at any time, so you can check on your infant and pet no matter where you are.










DCS-800L/P

EyeOn™ Pet Monitor



- 1/5" VGA progressive scan CMOS sensor
- Fixed lens (2.44 mm, F2.4)
- 640 x 480 resolution
- Up to 5 m night vision with integrated IR illuminator
- 4x digital zoom
- 2 -way audio with built-in microphone and speakers lets you listen and talk to your pet
- Wireless 802.11b/g/n connectivity
- Sends alert notifications when sound/motion is detected
- Save snapshots and videos directly onto your smartphone or tablet
- Plays lullabies to calm your pet
- Easy to setup and access anywhere via Internet with the free mydlink™ Lite App for iOS and Android devices



-  Remote viewing
-  Sound/Motion Detection
-  Snapshots and Videos
-  4x digital zoom
-  Instant push alerts
-  Two-way audio
-  Play a Lullaby
-  Secure Connection
-  Perfectly Portable

DCS-800L **EyeOn™** **mydlink** Baby

EyeOn™ Baby Monitor Junior



- 1.1/5" VGA progressive scan CMOS sensor
- Fixed lens (2.44 mm, F2.4)
- 640 x 480 resolution
- Up to 5 m night vision with integrated IR illuminator
- 4x digital zoom
- 2-way audio with built-in microphone and speakers lets you listen and talk to your baby
- Wireless 802.11b/g/n connectivity
- Sends alert notifications when sound/motion is detected
- Save snapshots and videos directly onto your smartphone or tablet
- Plays lullabies to calm your baby
- Easy to setup and access anywhere via Internet with the free mydlink™ Baby Monitor App for iOS and Android devices



DCS-820L **EyeOn™** **mydlink** Baby

EyeOn™ Baby Monitor Junior Plus



- 1.1/5" VGA progressive scan CMOS sensor
- Fixed lens (2.5 mm, F2.0)
- 640 x 480 resolution
- Up to 5 m night vision with integrated IR illuminator
- 4x digital zoom
- 2-way audio with built-in microphone and speakers lets you listen and talk to your baby
- Wireless 802.11b/g/n connectivity
- Sends alert notifications when sound/motion is detected
- Automatically records snapshots and videos to microSD* when motion or sound is detected
- Save snapshots and videos directly onto your smartphone or tablet
- Plays lullabies to calm your baby
- Easy to setup and access anywhere via Internet with the free mydlink™ Baby Monitor App for iOS and Android devices



DCS-825L **EyeOn™** **mydlink** Baby

EyeOn™ Baby Monitor



- 1.1/4" 1 megapixel progressive scan CMOS sensor
- Fixed lens (3.3 mm, F2.2)
- HD 720p resolution
- Up to 5 m night vision with integrated IR illuminator
- 4x digital zoom
- 2-way audio with built-in microphone and speakers lets you listen and talk to your baby
- Wireless 802.11b/g/n connectivity
- Integrated temperature sensor
- Sends alert notifications when sound/motion is detected or when temperature is too hot or cold
- Automatically records snapshots and videos to microSD* when motion or sound is detected
- Save snapshots and videos directly onto your smartphone or tablet
- Plays lullabies to calm your baby
- Easy to setup and access anywhere via Internet with the free mydlink™ Baby Monitor App for iOS and Android devices



Sound/Motion Detection



Two-way Audio



Instant Push Alerts



Temperature Alerts



Snapshots and Video



Secure Connection



4x Digital Zoom



MicroSD card* slot



High Definition



Perfectly Portable



Play a lullaby

mydlink™ Baby App -

The free mydlink™ Baby app for your mobile device not only guides you step by step through the simple setup process, but also gives you an easy to use interface for all the advanced features of the EyeOn™ Baby Monitor range.



mydlink™ Baby App

* MicroSD card not included

Network Video Recorders

Some customers will opt for monitoring and management software run on industry standard PCs and servers. As an alternative, however, D-Link also offers self-contained Network Video Recorder (NVR) products - effectively a network appliance with the necessary monitoring and management software pre-installed along with built-in storage to hold the recordings.

Aimed at the smaller enterprise, D-Link standalone Network Video Recorders can accept video from multiple network cameras located in local or remote sites without turning on a computer. Each recorder can be fitted with two removable SATA disks up to 6TB in capacity to store recordings from multiple cameras using Motion JPEG, MPEG-4 or H.264 streaming technology.

DNR-312L

mydlink™ Network Video Recorder with HDMI

- One-bay SATA 3.5" HDD interface
- Supports all D-Link network cameras
- View real-time and recorded video of 9 cameras from anywhere in your home or office, or remotely via the Internet
- Up to 4 TB Storage
- M-JPEG, MPEG4 or H.264 video format
- Continuous or scheduled recording with automatic overwrite function



DNR-322L

Cloud network video recorder

- Two bays for SATA hard disks (not included) with optional RAID 1 protection
- Support for all D-Link network cameras up to 2 Megapixel resolution*
- Monitor and record from up to 9 cameras simultaneously using Motion JPEG, MPEG4 or H.264 streaming technology
- 720p recording
- Gigabit Ethernet connectivity
- Up to 8TB Storage
- Easy setup and remote viewing via a browser using Cloud technology
- Automated backup



DNR-326

2-bay Network Video Recorder

- Two bays for SATA hard disks (not included) with optional RAID1 protection
- Support for all D-Link cameras
- Support for multiple brand cameras (Axis, Panasonic, Sony, Mobotix, Cisco, etc)*
- Monitor and record up to 9 cameras simultaneously using MJPEG, MPEG4 or H.264
- SmartSearch technology to simplify event investigation
- 720p Recording
- Digital watermark to prevent tampering on recorded files
- Up to 8TB Storage



DNR-2060-08P

JustConnect™ Multifunctional Network Video Recorder

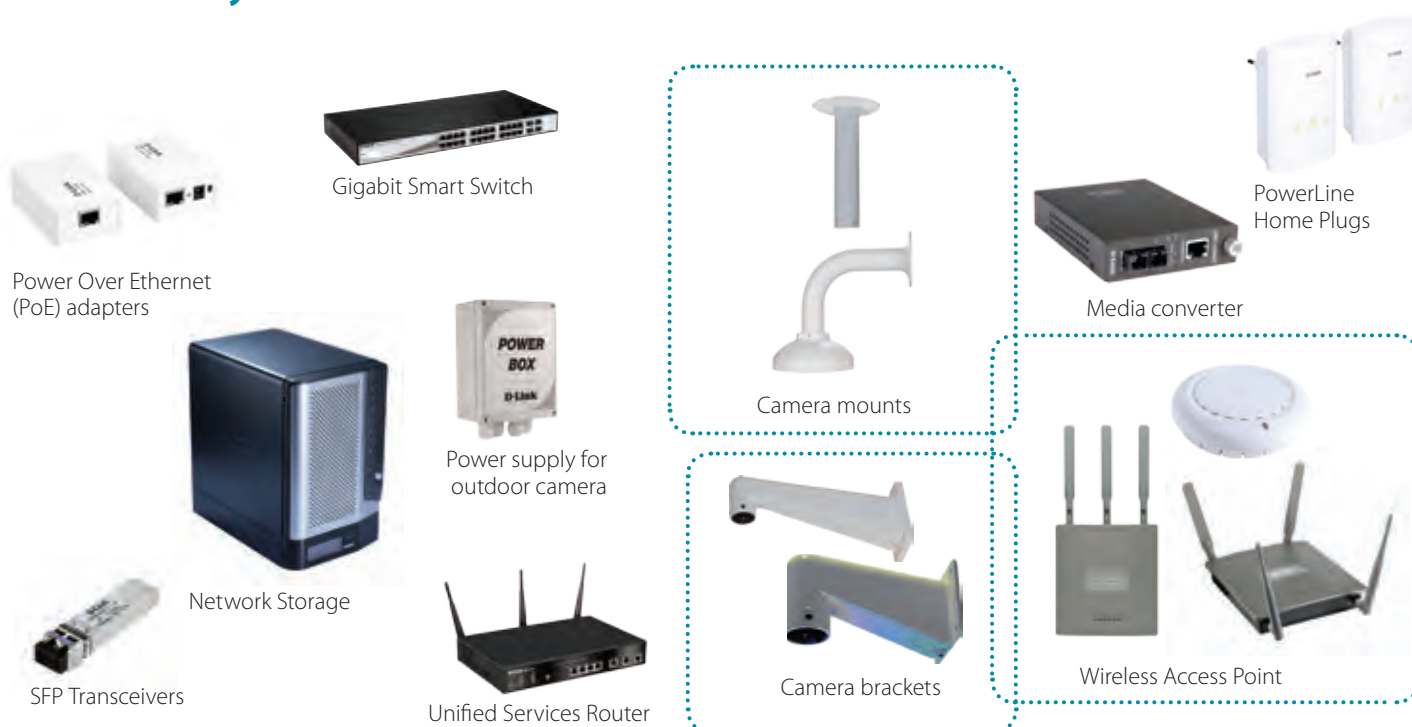
- User-friendly simultaneous live view, recording and precision playback with step/fast forward/rewind
- Live monitoring with full-screen, snapshot and pan/tilt/zoom control
- Search by calendar, event, date, time, and text
- Auto discovery for effortless network camera setup and management
- Built-in 8-Port PoE switch with 802.3at support
- Six 3.5" drive bays for up to 24TB of storage
- Per channel recording configuration
- View real-time video from all 8 cameras anywhere, anytime
- Full HD 1080p recording and playback
- H.264/MJPEG recording and playback for BL/MP/HP profiles



Camera accessories



As well as an extensive range of network cameras D-Link has a wide range of accessories and useful extras to help put the finishing touches to your Video Surveillance solution.



Accessories such as mounting brackets, in a variety of shapes and sizes, enable cameras to be more easily installed, and to cover the widest possible area.

D-Link also provides weather resistant outdoor power units like the DCS-80-6, plus Power over Ethernet (PoE) adapters to enable cameras without this feature built-in to be powered over the LAN.

Other accessories include third-party illumination units for day and night operation, plus external microphones and speakers to allow for 2-way communication at building access points.

And it doesn't just stop at the camera. D-Link wireless access points can be used to integrate wireless surveillance into an existing cabled network plus there's a range of PowerLine adapters, able to transmit network traffic over AC wiring, to connect locations where wireless cannot reach.

D-Link also provides fibre optic networking transceivers for switches with SFP ports, plus fibre to Cat5 media converters to enable D-Link cameras to be integrated into fibre optic as well as UTP cabled networks.

If you need it, D-Link and its partners can supply it.

Monitoring and recording software

D-Link has its own Video Management Software (VMS), known as D-ViewCam™, which is designed to run on industry standard Windows platforms.

D-ViewCam™ DCS-100



Playback view



Live view

Bundled free with D-Link network cameras D-ViewCam™ enables users to centrally manage multiple cameras for home or businesses.

Supporting up to 32 network cameras and up to 64 users, D-ViewCam™ is compatible with all current D-Link network cameras and video servers, offers digital monitoring and recording with a wide array of features including simultaneous video recording, playback and live view.

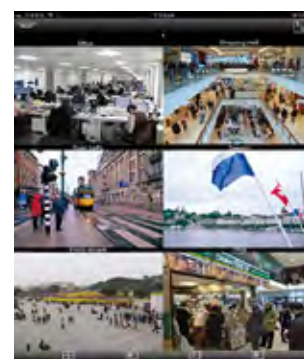
D-ViewCam™ offers scheduled, motion and manual recording. Recorded files can be searched by video type and selected files can be played, edited and converted into AVI or ASF files. The e-map mode allows users to arrange a map with camera locations and orientation, while additional features such as auto-patrol, rotate, zoom, and focus provide optimal control over video surveillance.

D-ViewCam™ Mobile

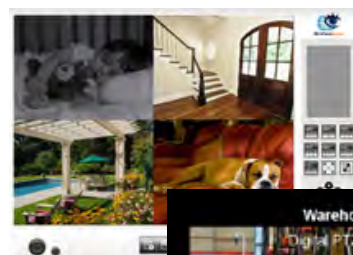


Keep an eye on your surveillance cameras anytime, anywhere with D-Link's D-ViewCam™ Mobile app. The D-ViewCam™ Mobile app makes it easy to check on your home or business no matter where you are, no matter what time of day it is.

For iPhones/iPads



For Android devices



Available on



D-ViewCam™ Plus

DCS-250



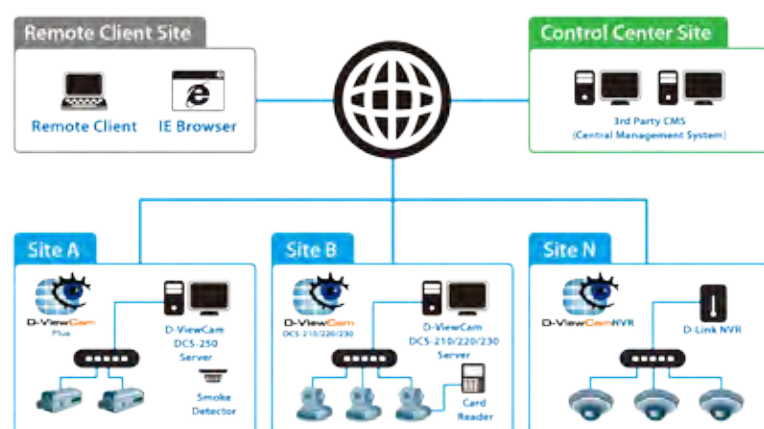
Multi-channel live view



Video search

The DCS-250 D-ViewCam Plus is a comprehensive network camera surveillance software designed for medium-to-large business as well as enterprise users. It centrally manages up to 64 network cameras and is compatible with current D-Link network cameras, video servers and an extensive range of third party network cameras¹. This software offers digital monitoring and recording of video, audio, and events for use in various security applications. Furthermore, this easy-to-use surveillance software provides users with a wide array of features, including multiple-channel playback, high resolution monitoring and live view.

Powerful optional Intelligent Video Surveillance (IVS) packages are available for the D-ViewCam Plus, including Presence/Tripwire and Counting IVS packages. The Presence/Tripwire Package (DCS-250-PRE-001-LIC) allows users to set up to 40 zones or lines which detects when an object is inside or is crossing a zone or a line, as well as camera-shake elimination; whilst the Counting Package (DCS-250-COU-001-LIC), allows objects such as people or vehicles to be counted. Both packages provide tamper detection to give users an extra piece of mind.



D-ViewCam Plus IVS Presence License

This license enables video analytics functions to detect when an object is inside or is crossing a zone or a line.

Effective video analytics

- Low cost and affordable
- 40 detection zones or lines

Precise detection algorithm

- Up to 95% accuracy
- No false alarms from falling leaves, rain, snow or camera noise

Save recording space

- Recording function triggers only on event, with high precision detection algorithm which translates to significant savings in storage space

Stabiliser

- In environments where camera stability is an issue, this feature compensates for any movement to provide a clear view

Tamper Detection

- Detects any event that significantly changes the field of view of the camera, such as loss of focus if the camera has been covered up.

D-ViewCam Plus IVS Counting License

This license enables video analytics functions such as people and vehicle counting, camera stability and tamper detection for the D-ViewCam Plus for one camera. The engine can track, classify, and analyse the behaviour of individual or a group of objects over long distances to greatly improve parameter security and monitoring efficiency.

- Instant alarm notifications
- Intelligent event search with video
- Intuitive 3D grid calibration
- 40 detection zones and tracks up to 100 targets per camera
- Self-learning algorithm automatically adapts to environment changes

People Counting

- Includes a bi-directional line-crossing filter, suitable for counting people in busy doorways and entrances

Vehicle Counting

- Captures statistics on vehicle flow
- Provides an estimated speed of the vehicle

Tamper Detection:

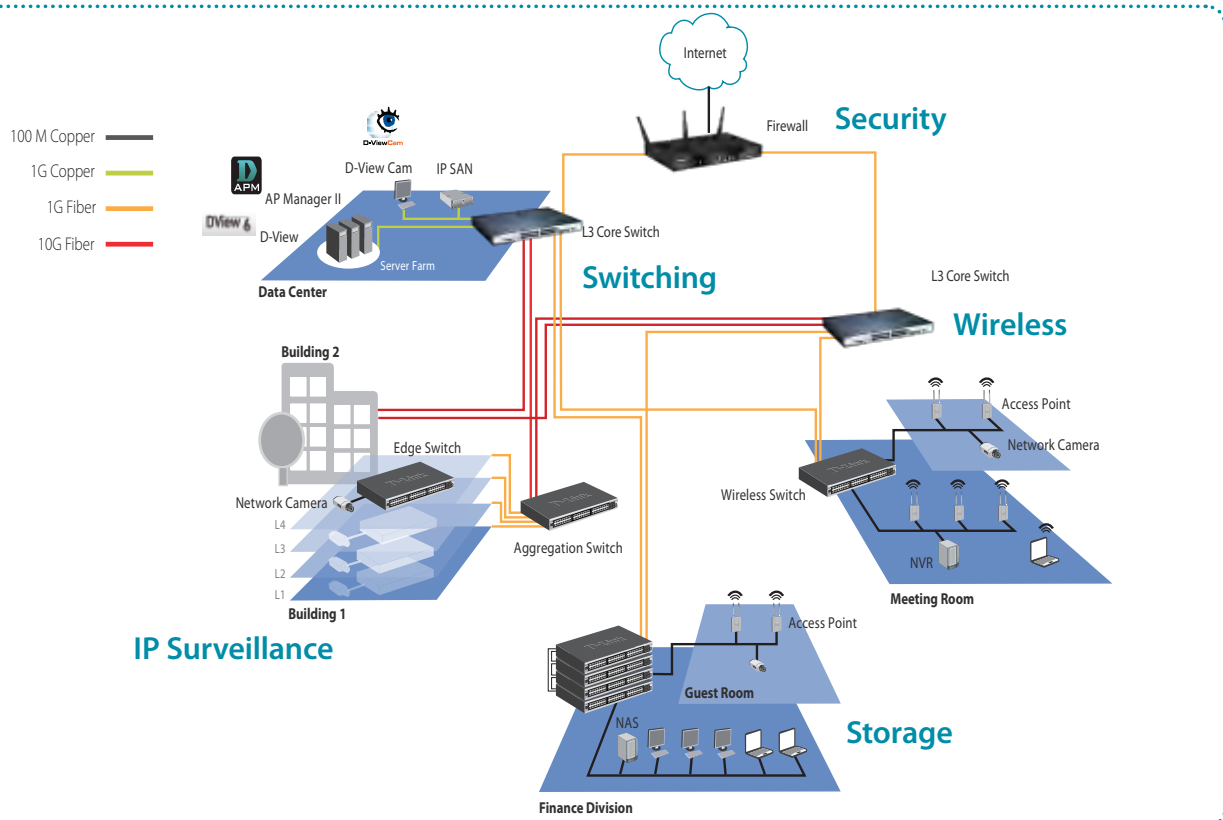
Detects any event that significantly changes the field of view of the camera, such as focus loss of camera being covered up.

More than just cameras - the D-Link difference

As a leader in the field of Video Surveillance, D-Link has all the hardware and software products needed to put together an effective surveillance system for a wide range of needs. However, that's not the end of the story, D-Link has a lot more to offer beyond the specialist camera, recording and monitoring products outlined in this guide.

A networking pioneer and market leading vendor of switches and routers with over 28 years' experience, D-Link is uniquely placed to help with the supporting networking infrastructure. Indeed the company has products that span the entire spectrum, from low cost unmanaged switches for home networks and small business deployment to stackable and chassis based Layer 3 solutions for the enterprise or data centre.

D-Link Wireless Access Points and routers are also available, together with storage, security and management products. Moreover, as a billion dollar company, D-Link has the global resources and expertise to develop, deliver and support those products to the same high level, across the board. It can also fast track product development and provide customers with early access to the latest technology.



D-Link is the complete network solution.

No other vendor of Video Surveillance products can match the depth of products or expertise that D-Link is able to provide.

Storage

Every business requires reliable data storage devices for back-up and disaster recovery solutions, should the worst happen. D-Link's range of Network Storage products provide simple, cost-effective solutions to meet these data management challenges.

As every organisation will have different storage requirements, we offer a wide portfolio of storage solutions, from cost-effective, easy to manage Network Attached Storage (NAS) devices to high performance, high capacity Storage Area Network (IP SAN) solutions.

And because our storage products seamlessly interconnect with other D-Link products, such as our IP Surveillance cameras, we are able to provide our customers with a complete solution - all under one roof.

Below are some of our storage products. To see our complete range, please visit www.dlink.com or refer to our Business Solutions Product Guide.

ShareCenter™+ DNS-327L



2-Bay Cloud Network Storage Enclosure

- Access your files from anywhere with mydlink™ Cloud Services through the secure web portal or dedicated apps
- 2 x 3.5" internal SATA I/II hard disk drive bays, support up to 8TB
- Disks can be configured for separate access, JBOD or RAID 0/1 depending on redundancy or performance requirements
- Volume encryption
- Network file sharing on Windows, Mac OS and Linux networks
- USB3.0 port for printer sharing and external backup disk attachment plus UPS monitoring
- HTTP and FTP with DDNS for simplified remote access
- Feature-rich backup software with support for local, remote, USB and cloud backup
- Download movies, music and photos to you iOS or Android devices to view later
- Stream digital content to compatible DLNA media players such as games consoles and smart TVs
- D-Link Green eco-friendly design incorporating hard disk drive power management and smart fan speed control
- Surveillance Center to record up to 4 x D-Link IP cameras
- Optional free add-ons



ShareCenter™Pro DNS-1560-04

Rack-mount unified appliance

- 1U rack-mount format
- Hot-swap 3.5in drive bays
- Redundant hot-swap power supplies
- Dual-core processor plus 4GB RAM
- Network file sharing on mixed Windows, Mac OS and Linux networks
- Virtual disks with thin provisioning
- De-duplication support
- Up to 32 volume snapshots
- HTTP/S and FTP support plus DDNS for simplified remote access
- Block level iSCSI data transfers with up to 64 iSCSI targets
- Two auto-sensing Gigabit Ethernet ports with link aggregation and automatic failover/failback
- Two USB ports for printer, flash drive and external disk attachment plus
- UPS monitoring
- Integrated backup support including backup to the Cloud
- Bundled client software for backup of Windows PCs plus Apple Time Machine support



ShareCenter™+ DNS-340L



4-Bay Cloud Network Storage Enclosure

- Four 3.5in drive bays for SATA hard disks - up to 4 x 6TB
- Disks can be configured for separate access, as a JBOD array or with 0/1/10/5/5 + hot spare protection
- Network file sharing on mixed Windows, Mac OS and Linux networks
- HTTP and FTP with DDNS for simplified remote access
- Supports iSCSI protocol for consolidation of storage over IP protocol
- Active Directory integration for user authentication
- Up to 256 user accounts can be configured with support for 128 shares and 64 concurrent SMB and 10 FTP connections
- Two auto-sensing Gigabit Ethernet ports with link aggregation
- 1 x USB 3.0 and 2 x USB 2.0 port for printer sharing, flash drive and external backup disk attachment plus UPS monitoring
- Integrated backup support including backup to the cloud (Amazon S3), bundled Windows desktop backup software, Apple Time Machine support for Mac backup
- Scheduled power on/off, disk hibernation, smart fans and D-Link Green Ethernet.
- Support for up to 4 x D-Link IP cameras



DSN-6000 Series storage arrays

Highly available storage for business-critical applications

- 12 hot-swap SATA/SAS disk bays, expandable to 60 bays using DSN-6020
- JBOD expansion arrays
- Up to 180TB (using 3TB disks)
- Multiple RAID levels including RAID 6/60 for dual-disk failure protection
- Redundant controller card option for active/active failover
- High-performance iSCSI interface with hardware offload engine and either 4 Gigabit (DSN-6110) or two 10GbE ports (DSN-6410) per controller
- Redundant hot-swap power supplies and fans
- Battery-backed cache option for high availability
- Remote replication, cloning and snapshots
- Windows VSS support
- Up to 1024 iSCSI targets and 512 writeable snapshots



Switches

Switches are fundamental to any business network. With today's networks being challenged with the demand for broader capacity and higher traffic speeds, switches are pushed to work even harder. D-Link's comprehensive portfolio of switches, which includes Gigabit, Fast Ethernet and PoE, have been designed to meet these challenges - whatever the size, nature and complexity of our customers' business operation.

The quality and diversity of our Switch offerings provide the foundation for a full range of network solutions that are guaranteed interoperable, reliable and secure. The breadth and depth of our switches, as well as their seamless interconnectivity with other D-Link products, means there is always a solution available – from the core of your network to its edge, D-Link can make your network more productive.

D-Link Wireless Access Points and Routers are also available, together with security and management products. Moreover, as a billion dollar company, D-Link has the global resources and expertise to develop, deliver and support those products to the same high level, across the board. It can also fast track product development and provide customers with early access to the latest technology.



DGS-1100 Series

08/16/24/48-Port

Gigabit Smart Switch - Optional PoE

The DGS-1100 Series Gigabit Smart Switches provide an affordable solution for small or home office and Small and medium businesses as well as enterprise deployment, such as in branch offices and meeting rooms that require simple network management. Each model comes in a compact desktop-sized metal case and features 8, 16 or 24 Gigabit ports. The DGS-1100 Series also includes an 8-port PoE switch that support 802.3af PoE with power budget of 64W.



DGS-1210 Series

08/10/16/20/24/28/48/52 Port Gigabit Smart Switches

DGS-1210 Smart series is ideal for businesses looking to power network cameras, VoIP phones or wireless access points. Offering multiple management options, the Smart Switch allows quick deployment infrastructure expansion and seamless function upgrades. The design allows more flexibility in power allocation for a variety of powered devices with affordable installation costs, as well as a high level of energy saving and efficiency. Built for small and medium-sized enterprises, DGS-1210 Smart switches provide functionality, security and manageability for a fraction of the standard cost of ownership. Auto Surveillance VLAN (ASV) consolidates data and video transmission through the network and protects the quality of real-time video by grouping Video Surveillance devices on a single high priority VLAN. This ensures that surveillance video streams will not be affected when ordinary data traffic is at its highest levels.



DGS-1510 Series

20/28/52-Port

Gigabit Smart Managed Switch - Optional PoE

The DGS-1510 series is the next generation of smart managed switches. It contains 16, 24 or 48 10/100/1000 Mbps ports plus 2 Gigabit SFP ports and 2 10G SFP+ ports, as well as one 24 10/100/1000 Mbps PoE plus 2 Gigabit SFP ports and 2 10G ports smart managed switch. With its 10G SFP+ ports, it is ideal for deployments in the SME/SMB core with its 10G uplinks connecting with servers equipped with 10G port connectivity. For medium to large scale enterprise deployment, it can serve as a good interconnection between the core switch and edge switch. Featuring D-Link Green 3.0 technology, it offers a high level of energy saving and efficiency, as it also complies with the IEEE 802.3az Energy Efficient Ethernet standard. Support for IPv6 management and configuration ensures your network remains protected after the upgrade from IPv4 to IPv6.



DGS-3120 Series

24/48-Port Layer 2 Gigabit Stackable Managed Switch - Optional PoE

DGS-3120 series enhanced L2 switches designed to connect end-users in a secure SMB or enterprise network. These switches support physical stacking, multicast and enhanced security, making them an ideal Gigabit access layer solution. The series consists of 24 or 48 Gigabit ports switches with additional fibre uplinks and high bandwidth 10 Gigabit stacking ports, as well as different software images, to provide the ultimate flexibility and scalability. Optional Power over Ethernet enables users to utilise their existing network infrastructure to eliminate the need for additional power outlets.



DGS-3620 Series

28/52-Port Layer 3 Gigabit Stackable Managed Switch - Optional PoE

DGS-3620 series Layer 3 Gigabit switches deliver performance, flexibility, security, multi-layer QoS and access control, along with support for full set of routing protocols. With high Gigabit port densities, Gigabit SFP and 10-Gigabit SFP+ uplink and stacking support, and separate software image options, these switches can act as either departmental access layer devices or core switches to form a multilevel network structured with backbone and centralised high-speed servers. Optional Power over Ethernet enables users to utilise their existing network infrastructure to eliminate the need for additional power outlets.



DXS-3600 Series

8/24-Port Top-of-Rack 10 Gigabit Managed Switch

D-Link's DXS-3600 Series Top-of-Rack 10 Gigabit Managed Switch consists of compact, high-performance switches that feature 10 Gigabit Ethernet switching, routing, and very low latency. The 1U height and front-to-back air flow make the DXS-3600 Series suitable for Top-of-Rack data centre, enterprise and campus aggregation network environments. The DXS-3600 Series consists of 8-port and 24-port 10 Gigabit SFP+ ports switches with an expansion module slot. The optional expansion modules not only provide additional 10 Gigabit SFP+ ports but also 120G stacking, or 10GBASE-T connectivity for different applications.



DGS-3420 Series

28/52-Port Layer 2+ Gigabit Stackable Managed Switch - Optional PoE

DGS-3420 series Layer 2+ Gigabit switches delivers performance, flexibility, security, multi-layer QoS and access control, along with redundant power solutions for SMBs and enterprises. With high Gigabit port densities, Gigabit SFP and 10-Gigabit SFP+ uplink and stacking support, and advanced software solutions, these switches can act as either departmental access layer devices or aggregation switches to form a multilevel network structured with backbone and centralised high-speed servers. Optional Power over Ethernet enables users to utilise their existing network infrastructure to eliminate the need for additional power outlets.



Did you know....

D-Link consolidated its first-place ranking for Fast Ethernet shipments (ahead of Cisco and HP*)

*Source:Gartner,Market Share: Enterprise Ethernet Switches, 2012

Switching Technology for Video Surveillance

How to make the most of your Video Surveillance with D-Link Switching and Wireless technology?

What makes D-Link stand out from its competition is its ability to provide a complete solution that simply works without the need for complicated set up. With D-Link's expertise in Ethernet switching, wireless connectivity and network storage, we can make sure that all the components in your Video Surveillance setup work seamlessly with each other. This not only ensures that you get the most out of your investment but also provide reliability and security from your surveillance setup.

Video Camera Connectivity

The great thing about an video-based surveillance setup is the ability for the cameras to be integrated directly into your existing Ethernet-based data network. It also gives you tremendous flexibility to choose how your cameras are connected and powered.

There are various methods for a camera to be connected to the network:

- Wirelessly (802.11ac/n/g/b)
- Power-over-Ethernet (PoE), which provides both power and network connectivity to the camera (802.3af PoE/802.3at PoE+)
- Wired via Ethernet cable with local power outlet (Gigabit/Fast Ethernet)

Depending on the environment in which the camera is deployed, any of the below solutions may be a suitable option:

- Wirelessly - where it is not possible to pull a network cable from one location to another
- PoE – often the preferred option for professional installations as it is flexible and often most cost effective
- Wired – probably the least flexible solution as it requires both network and power cables

D-Link manufactures a range of network cameras that can either provide wireless or PoE connectivity

Advantages of Power over Ethernet (PoE)

- Power over Ethernet (PoE) provides power and data through a single cable.
- Eliminates the need for power outlets and simplifies cabling (saves money!)
- Allows customers to leverage their existing infrastructure
- **D-Link provides one of the most comprehensive ranges of PoE switches, from unmanaged to managed switches, supporting 802.3af PoE and 802.3at PoE+ standards. This ensures that you can invest in exactly the right switch for your needs and budget, as the network is scalable and will grow as your business grows.**

Advantages of Wireless Connectivity

- Wireless technology enables data traffic from Network Cameras to be transmitted to a wireless router - without the need for data cables.
- Eliminates the need for additional cabling (saves money!)
- Allows customers to leverage their existing power outlets.
- **D-Link has been at the forefront of wireless technology for over a decade. The breadth of D-Link's wireless product portfolio means that you can select the right Video Surveillance setup that ensures you have sufficient bandwidth to guarantee video quality, as well as range that gives you additional flexibility on where the cameras can be deployed.**



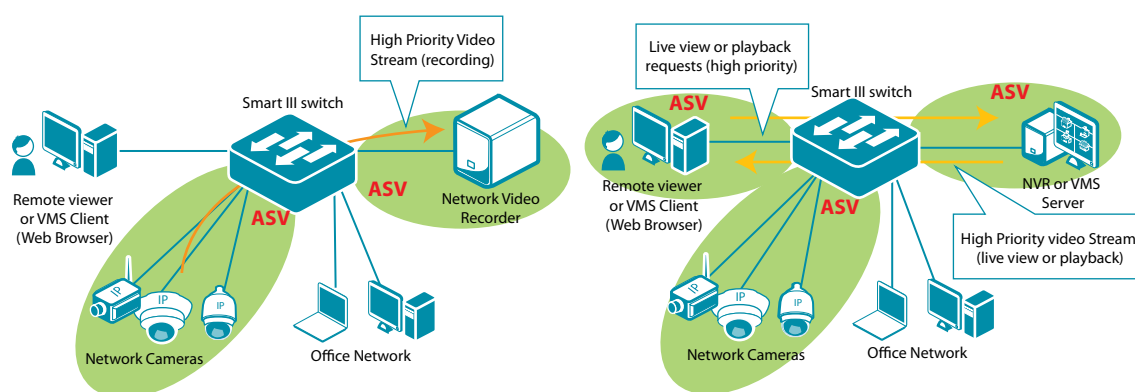
Things to consider when rolling out a video-based network surveillance setup

It's great to be able to add surveillance to your existing Ethernet-based data network but to ensure you continue to get the best performance from your network, below you will find some useful tips.

1. Your normal data traffic overwhelming your surveillance traffic

- If a large amount of data is being transferred in your network, your surveillance traffic can experience congestion which can lead to poor video quality or even lost footage.
- This can be addressed by segregating data traffic from surveillance traffic.
- **Auto-Surveillance VLAN** - D-Link provides a feature called Auto-Surveillance VLAN which automatically prioritises Surveillance traffic to ensure uninterrupted and secure connection between your network cameras and storage or monitoring devices. It enables you to safely and securely transmit the captured images/video by:
 - Automatically creating a VLAN that separates surveillance traffic and sets Quality of Service (QoS) to high priority.
 - Handling both data and surveillance traffic, saving you the costs of deploying and maintaining a separate network for surveillance traffic only
 - Securing surveillance traffic and ensuring smooth video streaming even during periods of heavy data traffic

Auto Surveillance VLAN (ASV)



2. Avoiding distance limitations caused by copper Ethernet cabling

- In larger deployments or perimeter surveillance, it is possible that the distance between the switch and the camera will be over 100m and this is when copper Ethernet cabling becomes problematic.
- D-Link Smart and Managed switches provide fibre connectivity in both Gigabit SFP as well as 10 Gigabit SFP+. This means you are able to extend the reach of your Video Surveillance network up to 80km! This not only benefits where you can deploy cameras but also gives you options to place recording storage equipment securely and safely away from the camera locations.

3. Making your Video Surveillance setup as simple as possible

- D-Link offers an easy to setup, standalone Video Surveillance solution which can be accessed remotely.

- **The JustConnect™ Multifunctional NVR (DNR-2060-08P)** can automatically power, detect and record from cameras as soon as they are connected.

- Standalone solution with front panel controls and local display with dual monitor support
- Auto-discovery and auto-configuration makes adding network cameras quick and easy
- Built-in PoE allows simple connectivity to network cameras, providing power and network connectivity through a single cable
- Full HD support on all 8 channels
- Search footage by event, date or time
- Simultaneous live and recorded playback with step/fast forward/rewind
- Live monitoring with full-screen, snapshot and pan/tilt/zoom control
- JustConnect+ app to monitor cameras remotely via iOS devices in real-time.



- An NVR and PoE switch in one easy to set up and manage device, the DNR-2060-08P is a cost-effective upgrade addition to any security and surveillance infrastructure.

4. Concerns about your cameras going offline or Wireless Access Points failing

- D-Link's unified wireless solution provides a redundant, seamless wireless network which not only provides complete wireless coverage but also a fail-safe wireless environment should one of the Wireless Access Points fail.
- Automatic channel selection means the Wireless Access Points will select a non-interfering channel to provide the best coverage.

Wireless

Wireless technology offers businesses more flexible and inexpensive ways to send and receive data. D-Link has a range of robust Wireless Access Points able to work in both 2.4GHz and 5GHz frequencies. Backwards compatible with all Wi-Fi technologies, our wireless range includes single and dual band Wireless N devices that are plenum-rated for mounting on walls and ceilings.

Whether you are a small company looking to add wireless to your LAN or a larger organisation wanting to build scalable wireless networks, our solutions provide stable connectivity which is robust enough to be deployed at the very core of your network, giving you greatly enhanced reliability and coverage. What's more, our wireless devices include advanced security features to keep your business completely safe from unwanted intrusion. Listed below are a select few of our Wireless products. To see our complete range, please visit www.dlink.com or refer to our Business Solutions Product Guide.

DWL-2600AP

Wireless N Unified Access Point



The DWL-2600AP is an entry level indoor Access Point designed to meet the business needs of companies of all sizes. The AP can work in standalone mode for initial deployment, then self-configuring cluster of up to 8 access points, and ultimately augmented by adding D-Link's Unified Switch solutions to provide centralised wireless LAN management.

Key features

- Unified Wireless Solution - standalone/clustered AP, or in conjunction with D-Link's Wireless Controllers and Unified Switches
- 802.11n with wireless speeds to up to 300 Mbps
- Fast Ethernet with 802.3af Power over Ethernet support
- Load balancing to optimise high network traffic volume
- Enhanced security with the latest Wi-Fi standards as well as RADIUS support
- Multiple SSID and VLAN support for wireless network segmentation
- WMM™ to prioritise audio, video and voice applications
- Integrated RFID recognition for Aeroscout™ devices to track wireless clients

DWL-6600AP

Wireless N Dual-Band Unified Access Point



The DWL-6600AP provides businesses with a scalable and flexible solution for their wireless network, with concurrent dual-band in both 2.4 GHz and the less crowded 5.0 GHz bands. The AP can work in standalone mode for initial deployment, then self-configuring cluster of up to 8 access points, and ultimately augmented by adding D-Link's Unified Switch solutions to provide centralised wireless LAN management.

Key features

- Concurrent dual-band, works in both 2.4 GHz and 5 GHz simultaneously
- Unified Wireless Solution - standalone/clustered AP, or in conjunction with D-Link's Wireless Controllers and Unified Switches
- 802.11n with wireless speeds to up to 300 Mbps
- Gigabit with 802.3af Power over Ethernet support
- Load balancing to optimise high network traffic volume
- Enhanced security with the latest Wi-Fi standards as well as RADIUS support
- Multiple SSID and VLAN support for wireless network segmentation
- WMM™ to prioritise audio, video and voice applications
- Integrated RFID recognition for Aeroscout™ devices to track wireless clients
- AirMagnet™ support for accurate planning, designing and troubleshooting of wireless networks

DAP-2695

Wireless AC1750 Simultaneous Dual-Band PoE Access Point



The DAP-2695 Wireless AC1750 Simultaneous dual-band PoE Access Point is designed to support small to medium business or enterprise environments by providing network administrators with secure and manageable dual-band wireless LAN, utilising the cutting-edge speed of Wireless AC.

Key features

- Concurrent dual-band, works in both 2.4GHz and 5GHz simultaneously
- Latest 802.11ac standards with maximum wireless signal rates of up to 450 Mbps over the 2.4 GHz band, and 1300 Mbps over the 5 GHz band
- Load balancing to ensure maximum performance by limiting the maximum number of users per access point.
- Wi-Fi Multimedia (WMM) makes it an ideal access point for audio, video and voice applications
- Supports both Personal and Enterprise versions of WPA and WPA2 (802.11i), with support for RADIUS server backend and a built-in internal RADIUS server
- Integrated 802.3at Power over Ethernet (PoE) support
- Console port for debugging
- Rugged metal housing
- Plenum-rated chassis
- MAC address filtering
- Network Access Protection (NAP)

Unified Wired/Wireless Access Systems

A Unified Wired/Wireless Access Switching solution that is able to fully integrate and control the wireless elements at the edge of the network, creating a Unified Wired and Wireless Access System. It offers centralised management that greatly simplifies wireless deployment and significantly enhances access security, wireless throughput and network convergence.



DWC-1000

Wireless controller



Centralised wireless LAN manager developed specifically for campuses, branch offices, and SMBs looking for an easy to use, scalable solution to manage and configure their wireless network. Its auto-managed Access Point discovery and single point management allow customers to acquire an enterprise class system without the burden of executing large and complex configurations. With a robust and comprehensive security detection system, the DWC-1000 also enables managed APs to block potential attacks from unauthorised users and devices.

Key features

- Support for 96 Access Points through license upgrade and clustering
- Wide range of compatible Access Points available
- Gigabit connectivity
- Dynamic wireless network adjustment to optimise performance
- Can be connected directly to the Internet – ideal for branch offices
- Upgrade licenses available for extra VPN and Firewall functionality
- Easy to use Web interface and straightforward configuration
- USB port for file and printer sharing
- Enhanced security with Captive Portal and RADIUS support

DWS-3160

24-Port Gigabit Unified Wireless Switch



Designed to be the ideal mobility solution for medium-sized and large enterprises and service providers, the DWS-3160 empowers administrators to exercise total control over their wireless networks by centralising all aspects of provisioning and management. Able to manage up to 48 D-Link Unified Access Points per switch and up to 192 in a switch cluster and with optional Power over Ethernet support, the DWS-3160 can be configured to act either as a Wireless Controller in the core network, or as an L2+ Gigabit Switch at the edge, enabling it to be seamlessly integrated into any existing network infrastructure

Key features

- Support for 192 Access Points through license upgrade and clustering
- Wide range of compatible Access Points available
- Optional 802.3af Power over Ethernet support
- Robust wired and wireless security with Access Control Lists, Captive Portal, Rogue AP detection and mitigation
- Fast roaming for seamless mobility and connectivity
- Advance switching and routing support
- Simplified web GUI management and configuration

Did you know....

“D-Link are the market leaders in wireless technology.”*



* Source: Gartner, Market Share: Enterprise Wireless LAN Equipment, Worldwide, 2012

Security

Every day businesses face potential security breaches from every direction to their network: virus attacks, file sharing, messaging abuse, spyware and many others. Remote workers can unintentionally provide hostile threats with back door access to your business. With such a diversity of threat, gone are the days when a simple protective firewall was enough. And managing a host of different remedies is inefficient and difficult.

D-Link's Unified Services Routers offer secure, high-performance networking solutions to address the growing needs of businesses. The routers are packed with advanced security and management features that can also be integrated easily into your existing infrastructure. These routers provide your remote workers with secure access through the powerful VPN engine. To see our complete range, please visit www.dlink.com or refer to our Business Solutions Product Guide.

VPN Security Routers

D-Link's Unified Services Routers are all-in-one gateway devices providing outstanding performance and rich functionalities, including IEEE 802.11n, secure wireless access, 3G WAN redundancy, IPv6 and comprehensive VPN features. The DSR Series provide a signature package to enhance the security of your network by identifying intrusion patterns and blocking external threats.

DSR-150N



- 10/100/1000BASE-T x1 (WAN)
- 10/100/1000BASE-T x8 (LAN)
- IEEE 802.11b/g/n Wireless LAN (2.4 GHz)
- USB 2.0 Port x 1
- 2 internal 2dBi omni-directional antennas
- 95 Mbps firewall throughput
- 40 Mbps VPN throughput (3DES)

DSR-250N



- 10/100/1000BASE-T x1 (WAN)
- 10/100/1000BASE-T x8 (LAN)
- IEEE 802.11b/g/n Wireless LAN (2.4 GHz)
- USB 2.0 Port x 1
- 2dBi Dipole Antennas x 2 (Detachable)
- 750 Mbps firewall throughput
- 50 Mbps VPN throughput (3DES)

DSR-500N



- 10/100/1000BASE-T x2 (WAN)
- 10/100/1000BASE-T x4 (LAN)
- IEEE 802.11b/g/n Wireless LAN (2.4GHz)
- USB 2.0 Port x 1
- 2dBi Dipole Antenna x 3 (Detachable)
- 950 Mbps firewall throughput
- 70 Mbps VPN throughput (3DES)

DSR-1000N



- 10/100/1000BASE-T x2 (WAN)
- 10/100/1000BASE-T x4 (LAN)
- IEEE 802.11 a/b/g/n (2.4GHz + 5GHz)
- USB 2.0 Port x 2
- 2dBi Dipole Antenna x 3 (Detachable)
- 950 Mbps firewall throughput
- 100 Mbps VPN throughput (3DES)

All of the below features apply to all of the range:

- Static/Dynamic IP WAN Type
- Point-to-Point over Ethernet (PPoE)
- SSL/IPSec/PPTP/L2TP VPN
- VPN Hub and Spoke
- IPSec/PPTP/L2TP VPN Pass-Through
- 3G WAN Redundancy via optional 3G USB modem
- Network Address Translation (NAT) Transparent Mode
- WAN Traffic Failover
- Outbound Load Balancing (DSR-500N/1000N only)
- Remote Management (Web, SNMP, SSH, Telnet)
- Internet Group Management Protocol (IGMP) Proxy/Snooping
- Stateful Packet Inspection (SPI)
- L2 to L7 Access Control
- IP/MAC Binding
- Virtual LAN (VLAN)
- Intrusion Prevention System (IPS)
- Wireless Security (WEP, WPA, WPA2, WPS)
- Multiple SSIDs
- SSID-to-VLAN Mapping
- IPv6 Phase 2 Certified
- D-Link Green technology

D-Link Assist



Expect instant help if the unexpected happens

If the unexpected happens to your network, you need the very best support and fast. Downtime costs your business money. D-Link Assist maximises your uptime by solving technical problems quickly and effectively. Our highly trained technicians are on standby around the clock, ensuring that award-winning support is only a phone call away.

Comprehensive cover available across all D-Link business products

D-Link Assist can be purchased together with any D-Link business product. So whether you're buying switching, wireless, storage, security or Video Surveillance equipment from D-Link, your peace of mind is guaranteed.

D-Link Assist also offers installation and configuration services to get your new hardware working quickly and correctly.

As standard, when you purchase a D-Link product we will exchange it should something go wrong.¹

Convenient choice of three service levels to suit your needs

D-Link Assist Gold -
for comprehensive 24-hour support

D-Link Assist Silver -
for prompt same-day assistance

D-Link Assist Bronze - for guaranteed next business day response

Peace of mind from our award-winning support services

Plug into our network of highly trained specialists who will act quickly to diagnose your problem and take instant corrective action.

Choose the enhanced service level that is right for you

With a choice of three affordable service offerings covering all D-Link business products, you can select the package that suits you best.

Get expert help with your installation and configuration

Available on selected products, D-Link Assist can help you get your new hardware up and running with the minimum of fuss.

Installation services include unpacking, quality inspection, interconnection with host server, and installation and integration of software.²



¹ Only for the duration of the hardware warranty for as long as the original buyer owns the product. Original proof of purchase may be required.

² D-Link products only.

Benefit from D-Link's global reach and local support

Established in 1986 D-Link has evolved to become a billion dollar global enterprise with 160 offices across 71 countries

With highly trained D-Link Assist technicians on standby across Europe you can be sure of the very best in local support, wherever you are

Dare to compare

D-Link Assist offers remarkable value, service of the highest quality at a very reasonable price. We challenge you to find a more competitive technical support solution

Why D-Link?

D-Link is one of the world's leading network infrastructure companies, providing a complete end-to-end solution including Switching, Storage, Video Surveillance, Wireless and Security ensuring interoperability, from one vendor, with award winning support.

For over 27 years, D-Link has designed, developed and manufactured award winning products. D-Link prides itself on consistently delivering innovative, high-performing and intuitive products for businesses.

With D-Link technology you can increase network performance and cut operational costs.

D-Link delivers its extensive range of networking products to organisations and consumers through its global network of channel partners and service providers. D-Link understands the significance of accessing, managing, securing and sharing data and digital content, and has pioneered many IP technologies to deliver a fully integrated Digital Home and business network experience.



for comprehensive 24-hour support

D-Link Assist Gold is perfect for mission-critical environments where maximum uptime is a high priority. It guarantees four hour around-the-clock response and cover applies 24/7 for every day of the year including holidays.



for prompt same-day assistance

D-Link Assist Silver is designed for 'high availability' businesses that require rapid response within regular working hours. It provides a four hour response service Monday to Friday from 8am to 5pm, excluding holidays.



for guaranteed response on the next business day

D-Link Assist Bronze is a highly cost-effective support solution for less critical environments. Response is guaranteed within eight business hours, Monday to Friday from 8am to 5pm, excluding holidays.

Longer warranty for longer life. For extra reassurance, D-Link Assist gives you the option of extending warranties on any D-Link business products that you purchase by three years.

D-Link assist is currently available in the following countries: Austria, Belgium, Czech Republic, Denmark, Finland*, France, Germany, Hungary, Republic of Ireland, Italy*, Luxembourg, Monaco, The Netherlands, Norway*, Poland, Portugal*, San Marino*, Spain*, Sweden*, Switzerland*, United Kingdom and Vatican.

* Partial coverage available.



Find us on YouTube



For further information: www.dlink.com



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